SCHLAGE

AD-Series Service Manual

Ingersoll Rand
Security Technologies

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Introduction

This manual contains a complete listing of available parts and assemblies for AD-Series cylindrical, mortise, and exit trim locks manufactured by Schlage Lock Company. This edition lists components of AD-Series locks manufactured after January 2010.

Exploded views of each lock function and trim assembly are provided with accompanying charts to identify parts for replacement purposes. Exploded views of trim are shown with parts for standard size doors. In addition, this manual provides lock trim, ordering procedures, and all auxiliary components of the AD-Series cylindrical, mortise, and exit trim locks.

Standard Features

Certifications	ANSI/BHMA A156.25 Grade 1, UL294, UL10 C, FCC Part 15, ADA, RoHS
Credential Verification Time	Less than 1 second
Visual/Audible Communications	Tri-colored LEDs and audible indicators (field configurable)
Max Current Requirement	Up to 250 mA
Operating Humidity	0-100% condensing
Operating Temperature-Exterior	-31° to 151°F (-35° to 66°C) (no battery)
Operating Temperature-Interior	32° to 120° (0° to 49°C) (battery)*
System Interface	AD-200/250: Handheld Device AD-300: Wiegand or Clock and Data via PIB300, or RS-485 directly AD-400: RS-485, Wiegand, or Clock and Data via PIM400
Power Supply	4 AA, 8 AA, 12 VCD, or 24 VDC
Latch Bolt	Cylindrical: ½" throw security latch, ¾" throw optional Mortise: ¾" throw with anti-friction tongue standard, 1" throw deadbolt on Mortise Deadbolt option
Voltage Range	4 VDC to 26 VDC
Reader Options	Keypad only, Magnetic Stripe Card**, Prox Card**, Smart Card**, and Multi-Tech**
Strike	Cylindrical: ANSI curved lip strike 1¼" x 4⅞" x 1³⁄₁₆" lip to center standard, optional strikes, lip lengths, and ANSI strike box available Mortise: ANSI curved lip strike 1¼" x 4⅞" x 1³⁄₁₆" lip to center with dust box standard, optional strikes lip lengths available
Backset	Cylindrical: 2¾" standard, 2⅜", 3¾", and 5" optional Mortise: 2¾" only
Cylinder	Schlage 6-Pin Full Cylinder (PD), C123 keyway, keyed different (PD)
Door Range	1¾" standard, 1⅜" to 2¾" optional
Keys	Two nickel silver cut keys per lock, 6-Pin, C123 section

* *Not applicable for AD-300 locks*

** *Available with and without keypad*

AD-Series Adaptable Electronic Locks

With the AD-Series, one platform translates to an endless number of adaptable solutions. You can choose the features and functions that are right for the application today, and upgrade to meet your evolving needs in the future. Please visit www.schlage.com/ad-series for complete details.

The **Class** of the lock determines how the lock communicates with the Access Control System, four options are available:

- AD-200: Offline; user access rights stored in the lock
- AD-250: Offline; user access rights stored on magnetic stripe card
- AD-300: Networked/Hardwired; Direct RS-485 connection or Wiegand or Clock & Data
- AD-400: Networked/Wireless; 900 MHz, Secure encrypted data transmission

The AD-Series is available in three locking Chassis options as well as three exit trim options:

- CY: Cylindrical
- MS: Mortise
- MD: Mortise Deadbolt
- 993R: Exit Trim — Rim/Concealed Vertical Rod (CVR)
- 993S: Exit Trim — Surface Vertical Rod (SVR)
- 993M: Exit Trim — Mortise

With the AD-Series you can upgrade from offline to networked in the future in a few easy steps:

1) Add a new communication module
2) Re-flash the lock with the HHD
3) Connect the lock to the access control system.

The AD-Series is available with four **locking functions** which are adaptable in the field:

Classroom/Storeroom (70)

Lockset is normally secure. Inside lever always allows free egress. Valid toggle credentials on the exterior may be used to change to a passage or secured status.

Office (50)

Lockset is normally secure. Inside lever always allows free egress. Interior pushbutton on inside housing may be used to select a passage or secured status. Meets need for lockdown function for safety and security. NOTE: Valid toggle credentials on the exterior may also be used to change status.

Privacy (40)

Lockset is normally secure. Inside lever always allows free egress. Interior pushbutton on inside housing may be used to select a privacy status. The interior pushbutton will disable normal electronic access from the exterior. Opening the door or pressing the interior pushbutton a second time on the inside housing deactivates the privacy status. The AD-Series is available with nin different credential reader options which are adaptable in the field.

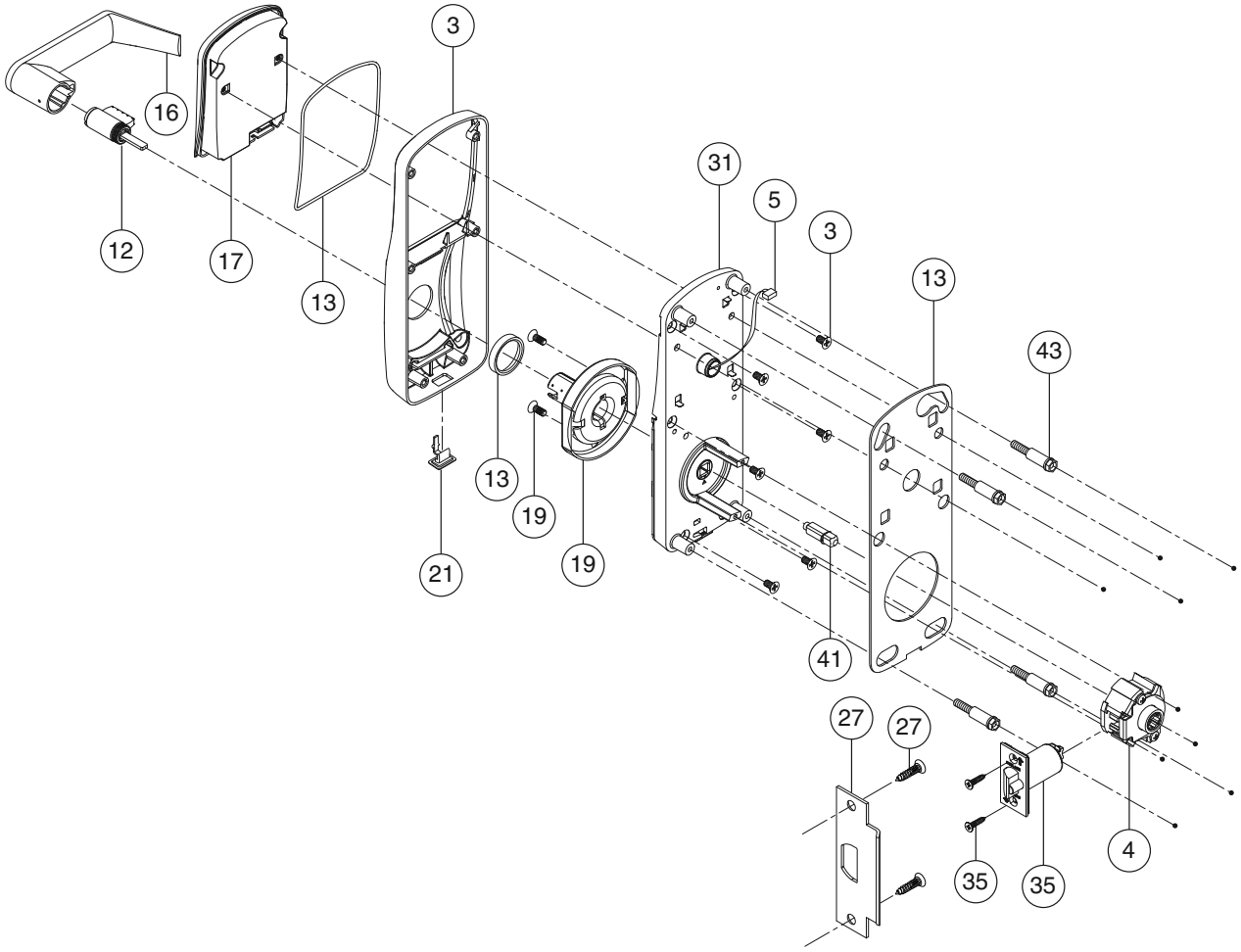
Apartment (60)

Lockset is normally secure. Inside lever always allows free egress. Interior-pushbutton on inside housing may be used to select a passage or secured status. Opening the door or pressing the interior pushbutton causes the lockset to toggle unsecured. While toggled unsecured, the lockset can only be secured while the door is closed by pressing the interior pushbutton or using a normal credential on the exterior. Normal electronic access from the exterior is always allowed.

Credential Reader Type	Description
MT: Multi-Technology MTK: Multi-Technology w/ Keypad	Single solution that reads 125 kHz Proximity and 13.56 MHz Smart credentials
SM: Smart Card SMK: Smart Card with Keypad	Reads 13.56 MHz credentials for enhanced encryption and increased data capacity
PR: Proximity PRX: Proximity with Keypad	Reads 125 kHz proximity credentials
MG: Magnetic Stripe MGK: Magnetic Stripe with Keypad	Configurable to read the complete Track 1, 2 or 3
KP: Keypad Only	12 button design
FMK: AD-301/401 Multi-Technology w/ Keypad	FIPS 201 Compliant Reader, compatible with AD301 & AD401 only
DT: Dummy Trim	Used for 993 Dummy Trim

AD-200/250-CY

Exterior



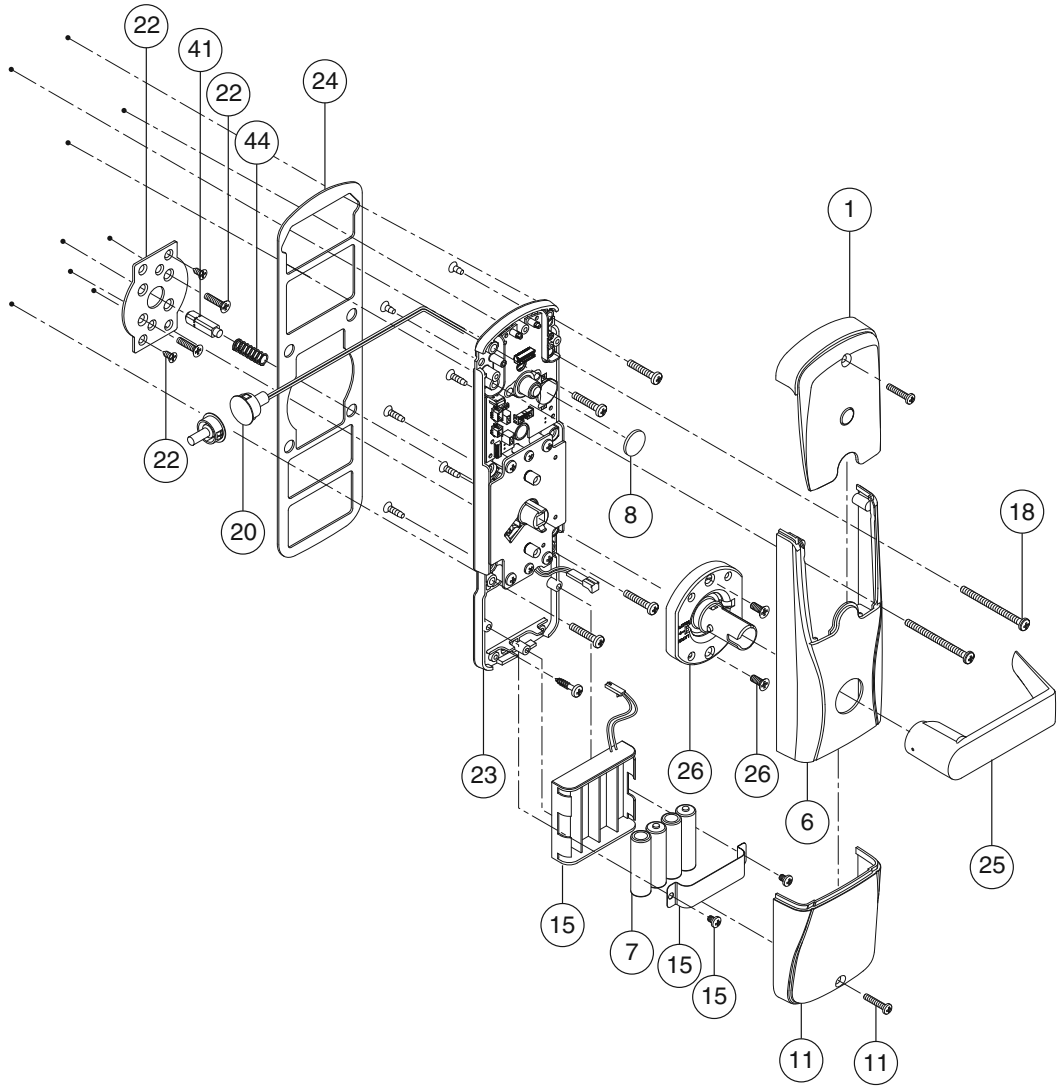
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
4	Retractor, Latch		46928800
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
31❖	Exterior Baseplate Assembly, CY		46928529

Number	Description		Part Number
35*	Latch	Latch	*See pg. 53*
		Screws, Latch	
41⌘	Spindle		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-200/250-CY

Interior



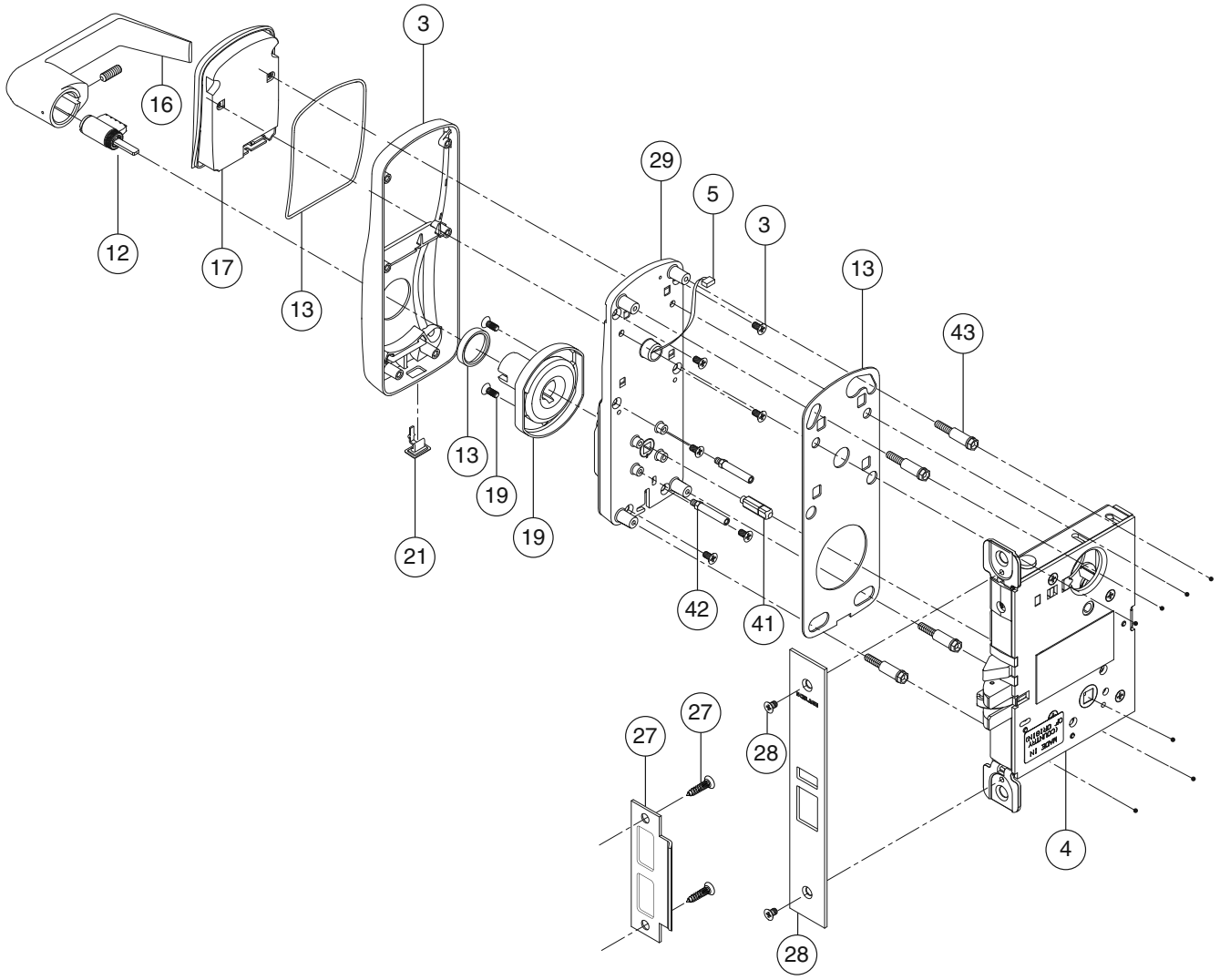
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
6*	Escutcheon, CY and MS	Escutcheon, CY and MS	46929014
		Screws, Spring Cage	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	

Number	Description		Part Number
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-200/250-MS

Exterior



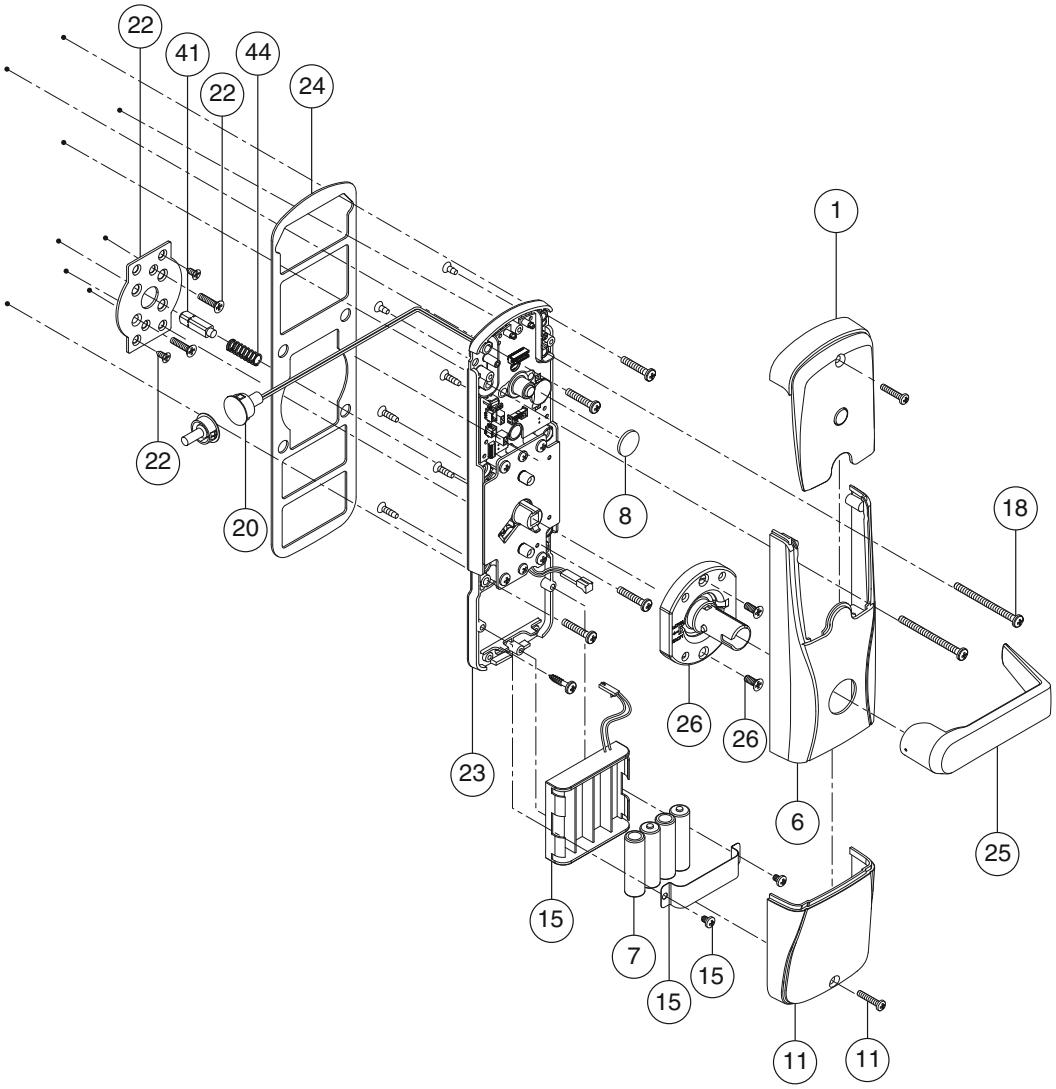
Number	Description		Part Number
3*	Escutcheon, MS	Escutcheon, MS	46928750†
		Screws, Escutcheon	
4	Lock Case, Narrow, 1 1/16" wide		46928818
	Lock Case, 1 1/4" wide		46928826
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719

Number	Description		Part Number
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
28*	Armor Front, MS	Armor Front	*See pg. 47*
		Screws, Armor Front	
29❖	Baseplate, MS		46928537
41⌘	Spindle		*See pg. 45*
42⌘	Stand-offs		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
† *If using GD/BD Cylinder and Lever preparation, use part number 46928743*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-200/250-MS

Interior



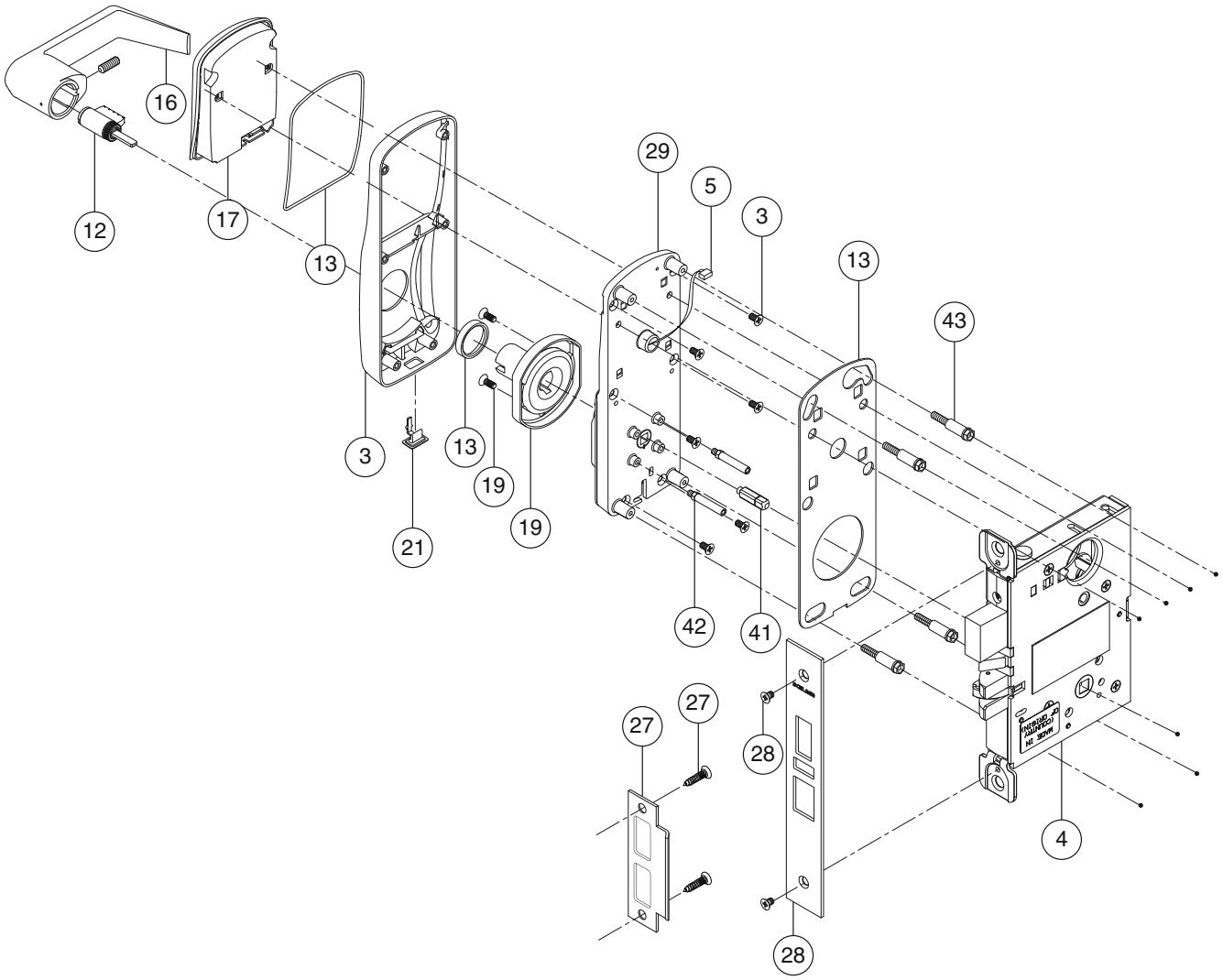
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
6*	Escutcheon, CY and MS	Escutcheon, CY and MS	46929014
		Screws, Spring Cage	
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	

Number	Description		Part Number
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-200/250-MD

Exterior



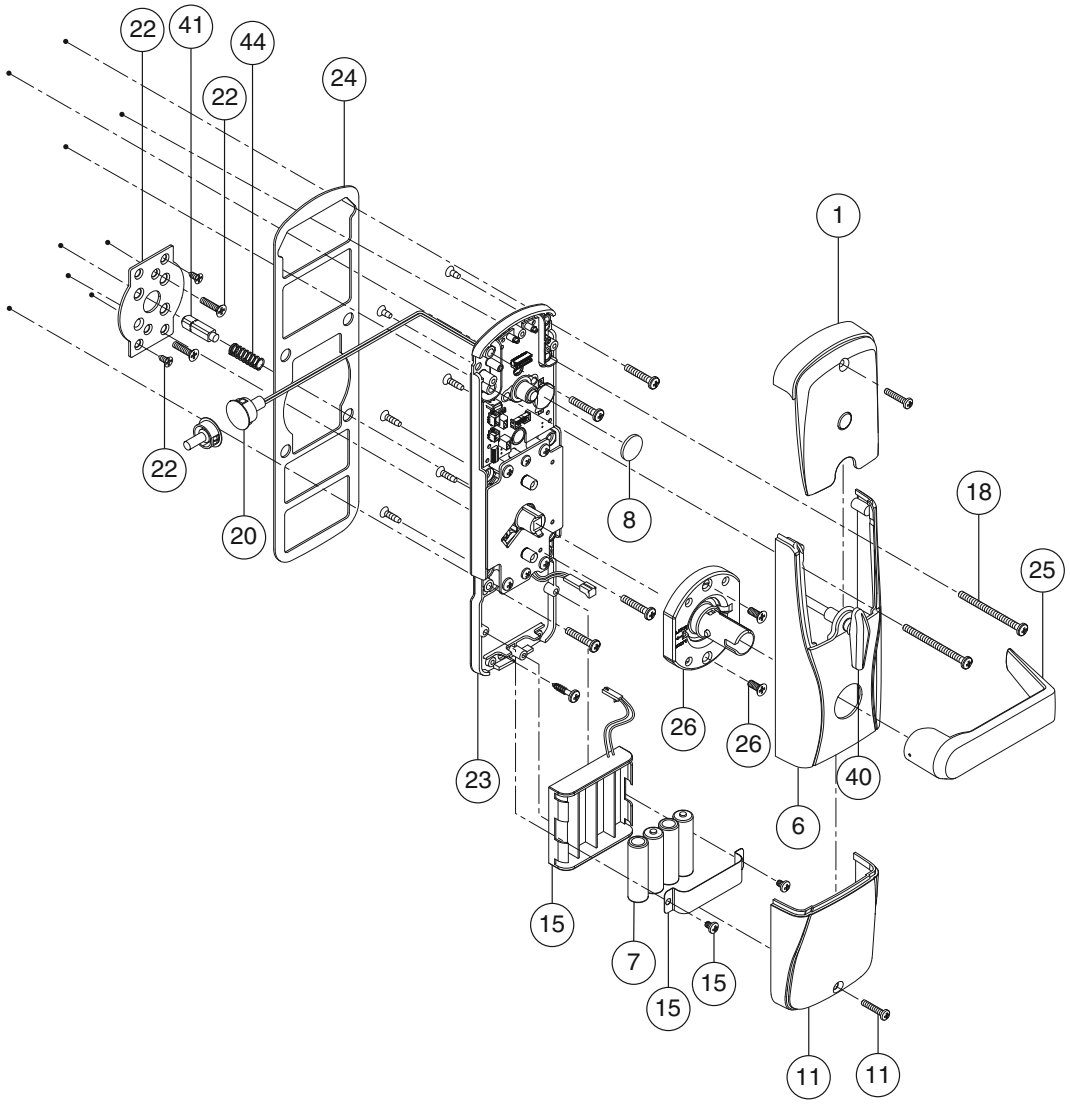
Number	Description		Part Number
3*	Escutcheon, MS	Escutcheon, MS	46928750†
		Screws, Escutcheon	
4	Lock Case, Deadbolt, Narrow-1 1/16" wide		46928834
	Lock Case, Deadbolt-1 1/4" wide		46928842
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	

Number	Description		Part Number
28*	Armor Front, MS	Armor Front	*See pg. 47*
		Screws, Armor Front	
29❖	Baseplate, MS		46928537
41⌘	Spindle		*See pg. 45*
42⌘	Stand-offs		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
† *If using GD/BD Cylinder and Lever preparation, use part number 46928743*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-200/250-MD

Interior



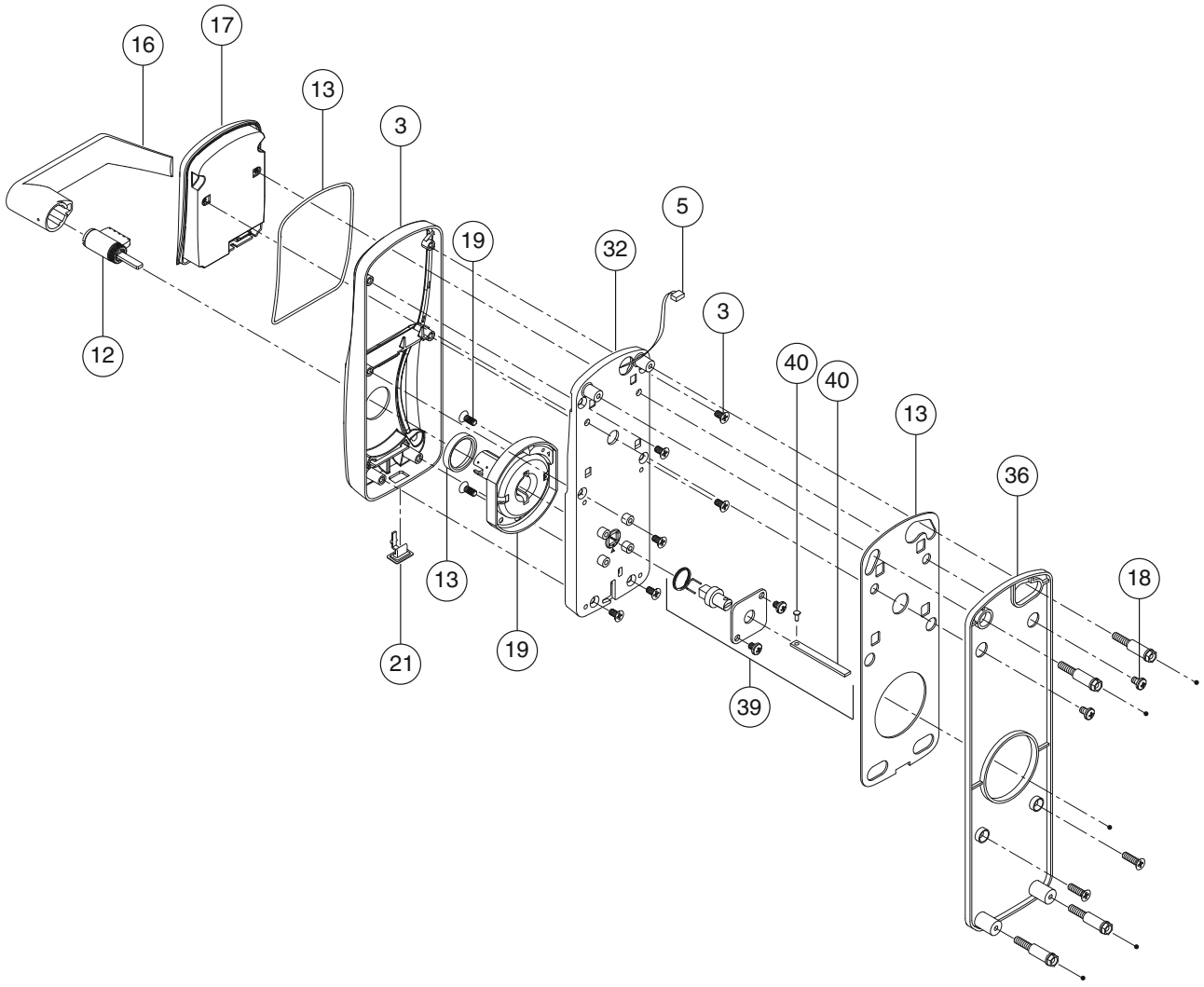
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
6*	Escutcheon, MD		46929022
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	

Number	Description		Part Number
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
40	Thumbturn, Deadbolt		46929113
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-200/250-993-R

Exterior



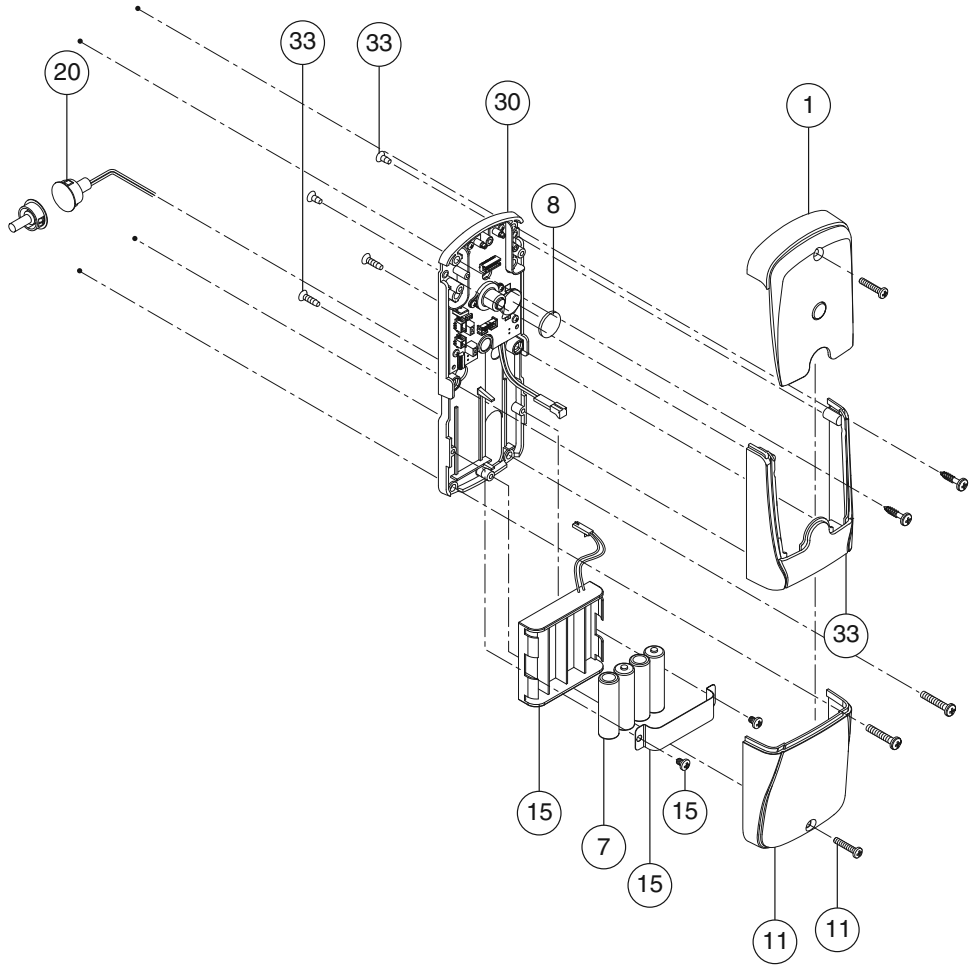
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	
40	Tailpiece Kit	Tailpiece	46929303
		Pine Tree Clip	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-200/250-993-R

Interior



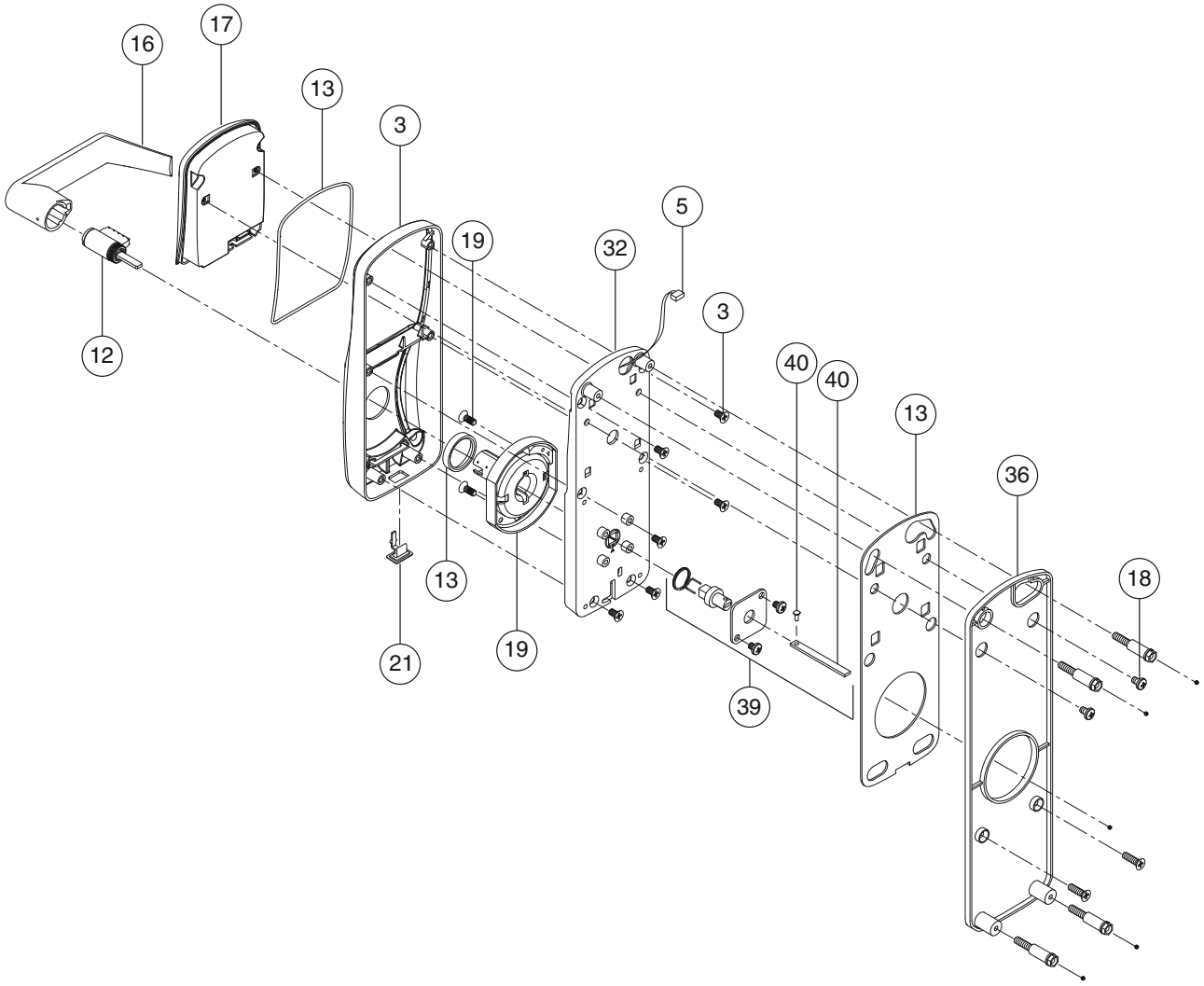
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/ Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/ Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/ Offline with Indicator	COM200L
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	

Number	Description		Part Number
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-200/250-993-S

Exterior



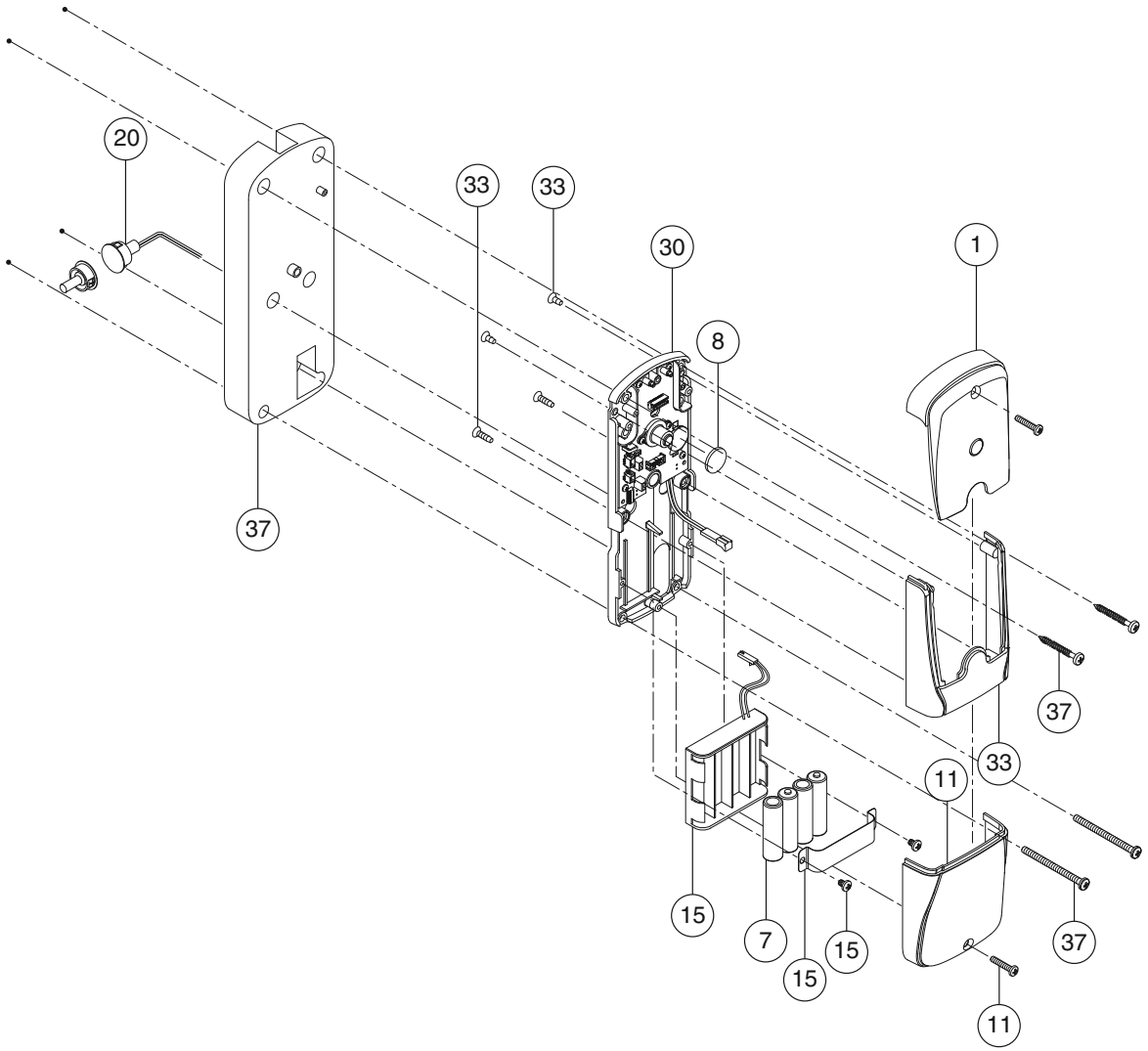
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	
40	Tailpiece Kit	Tailpiece	46929303
		Pine Tree Clip	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-200/250-993-S

Interior



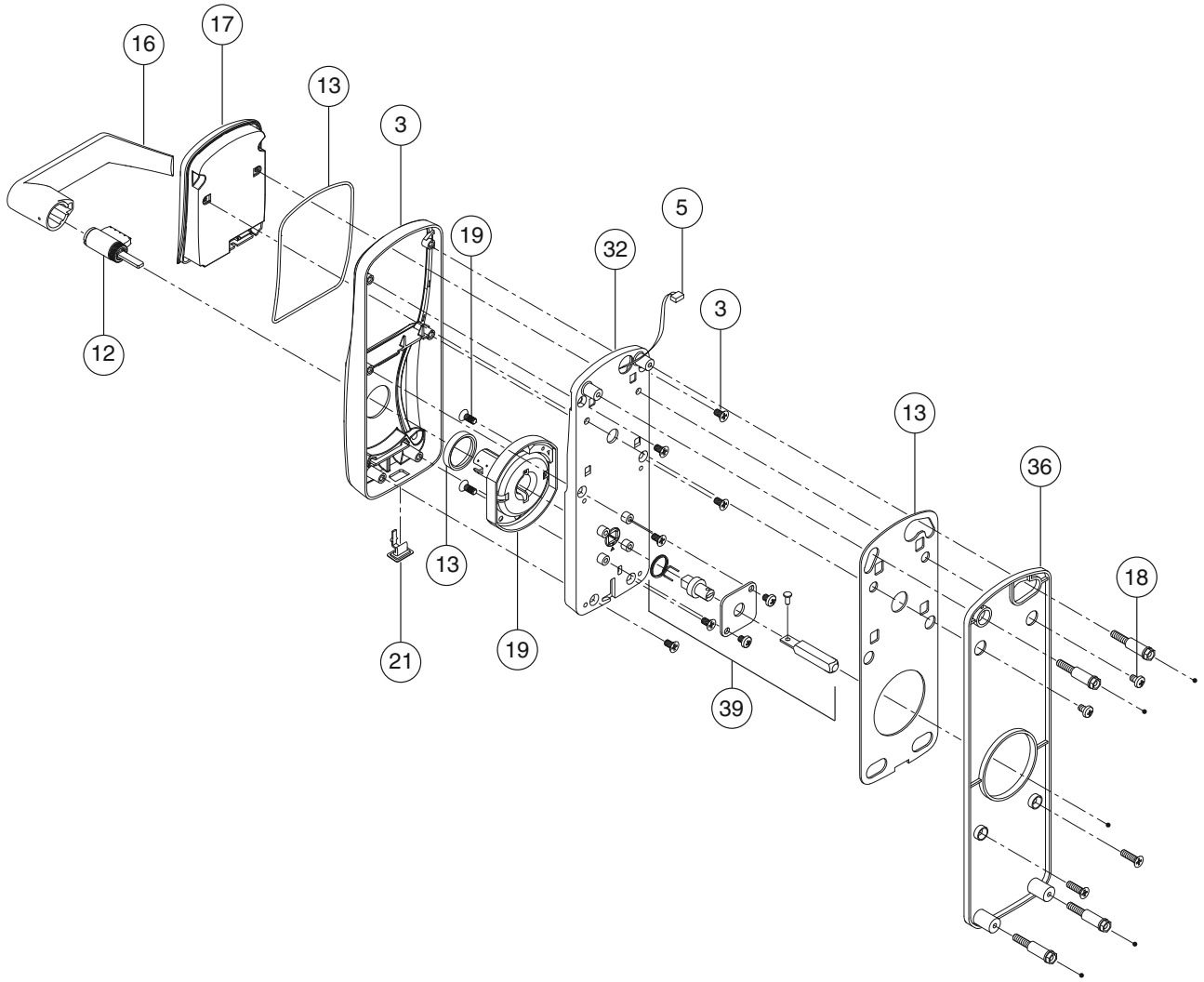
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	
20	Switch, Door Position		46929121

Number	Description		Part Number
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	
37	Spacer, Inside Baseplate, S	Spacer, Baseplate	46929238
		Screws, Reader	
		Screws, Baseplate	
		Screws, Surface Mount	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-200/250-993-M

Exterior



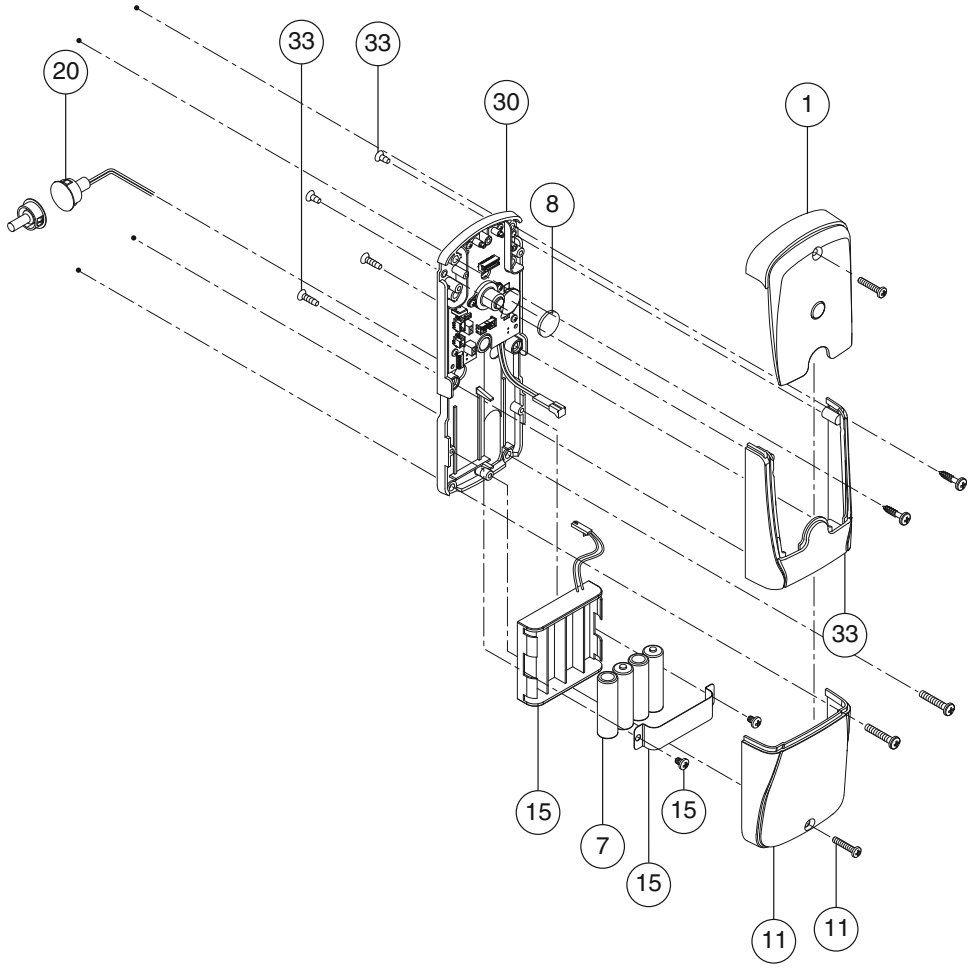
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-200/250-993-M

Interior



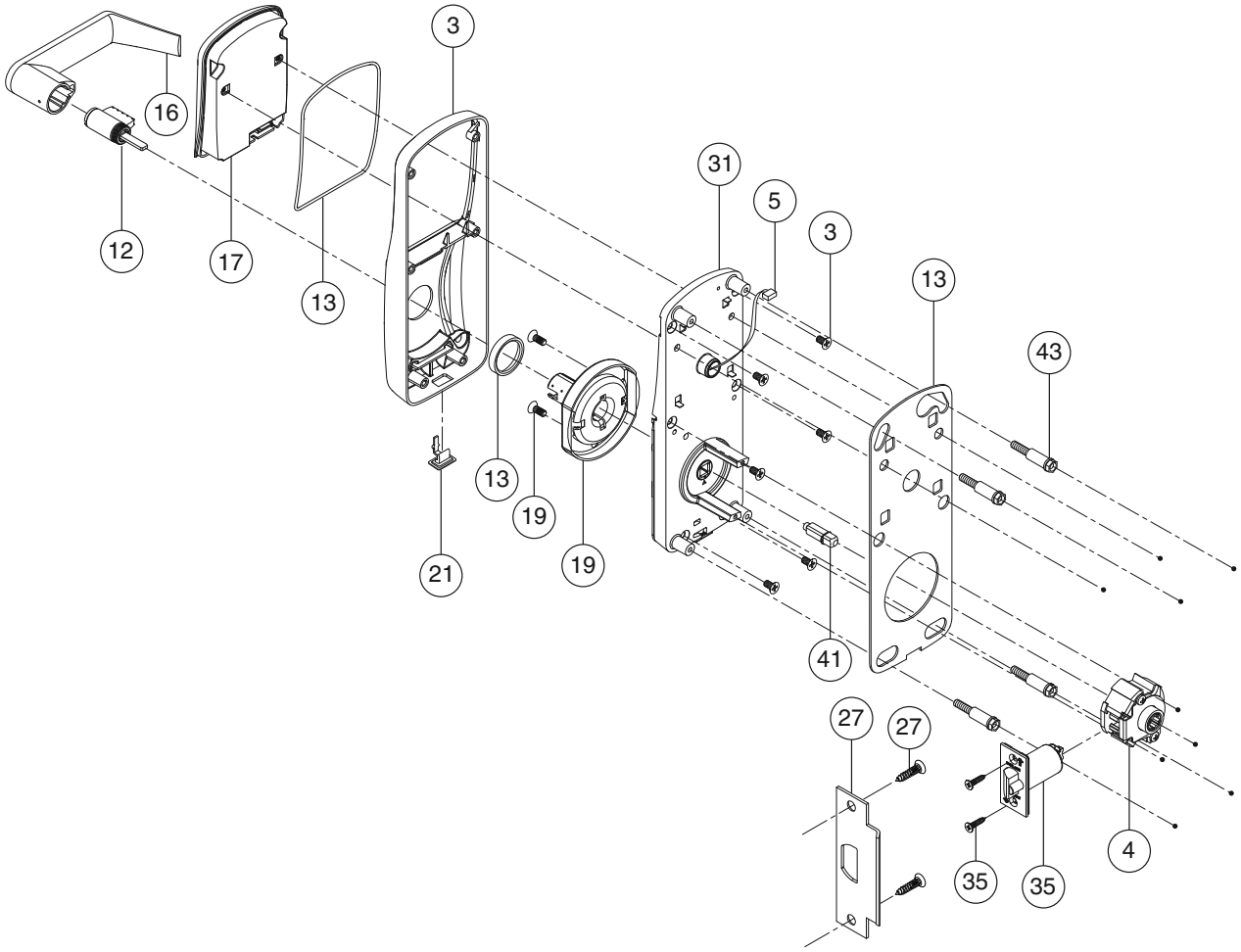
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/ Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/ Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/ Offline with Indicator	COM200L
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	

Number	Description		Part Number
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-300-CY

Exterior



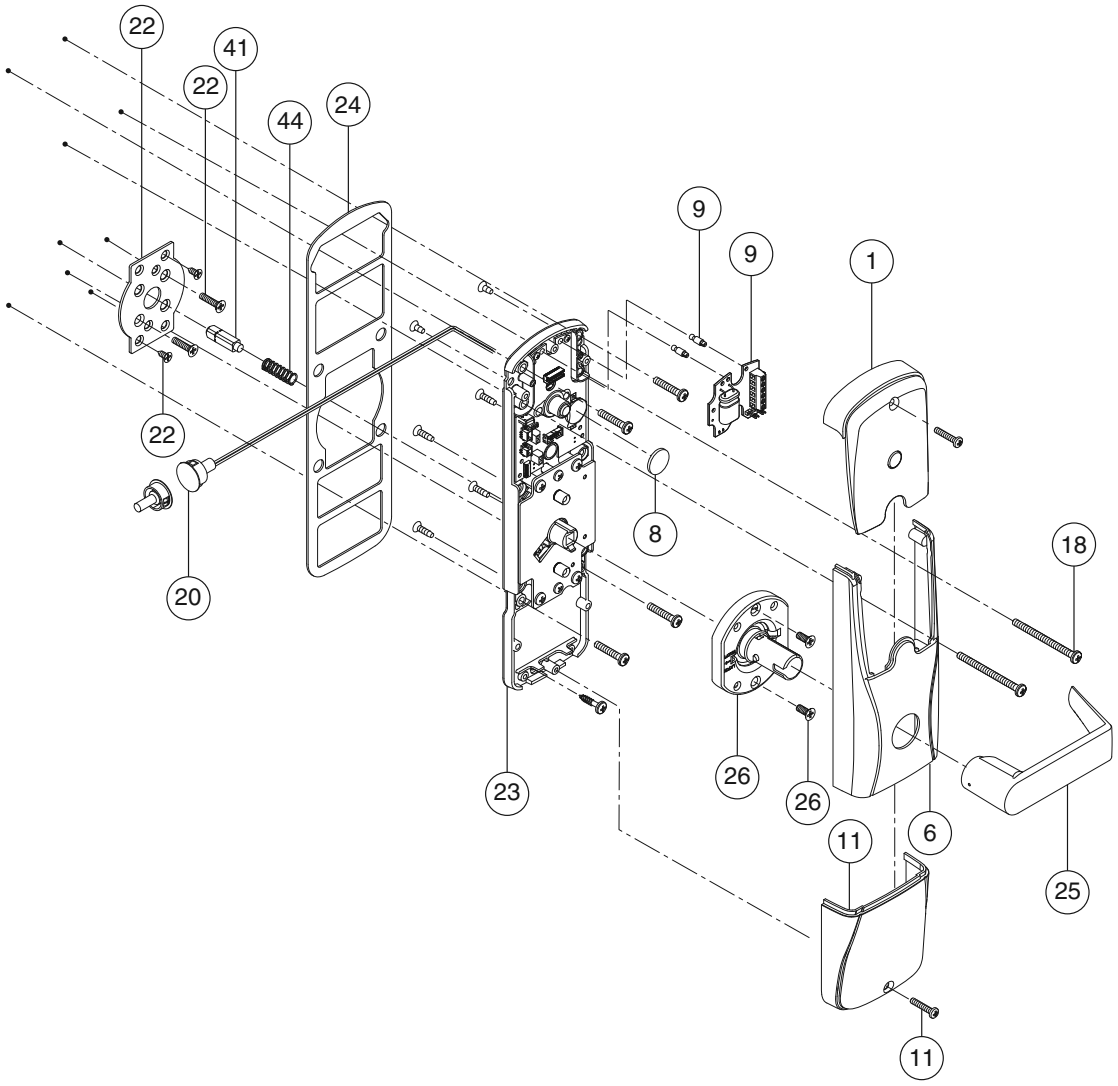
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
4	Retractor, Latch		46928800
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
31❖	Exterior Baseplate Assembly, CY		46928529

Number	Description		Part Number
35*	Latch	Latch	*See pg. 53*
		Screws, Latch	
41⌘	Spindle		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-300-CY

Interior



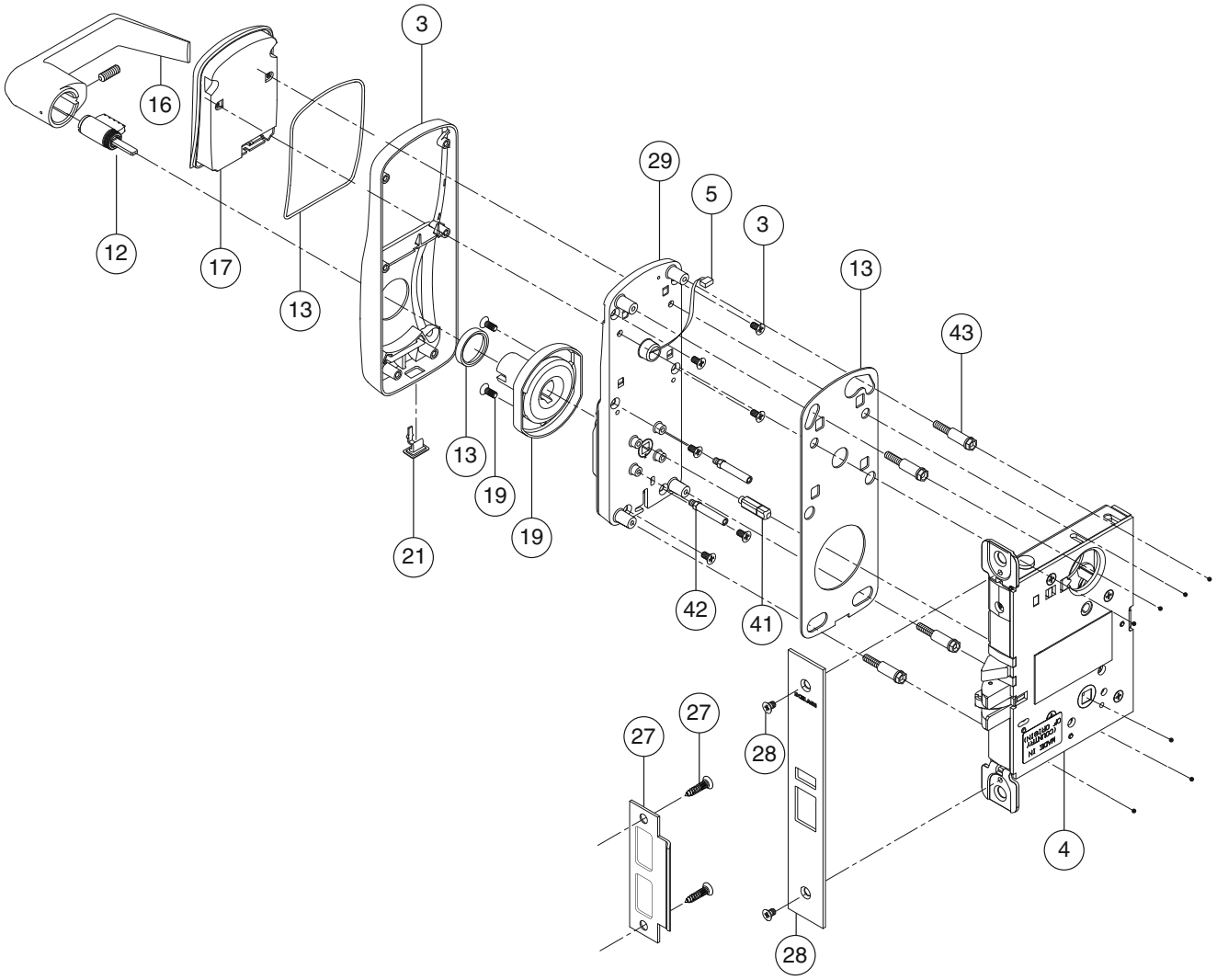
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
6*	Escutcheon, CY and MS	Escutcheon, CY and MS	46929014
		Screws, Escutcheon	
8	Lithium Battery		46929147
9	Communication Module, Hardwired	Communication Module, Hardwired	46928958
		Standoffs, Communication Module	

Number	Description		Part Number
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-300-MS

Exterior



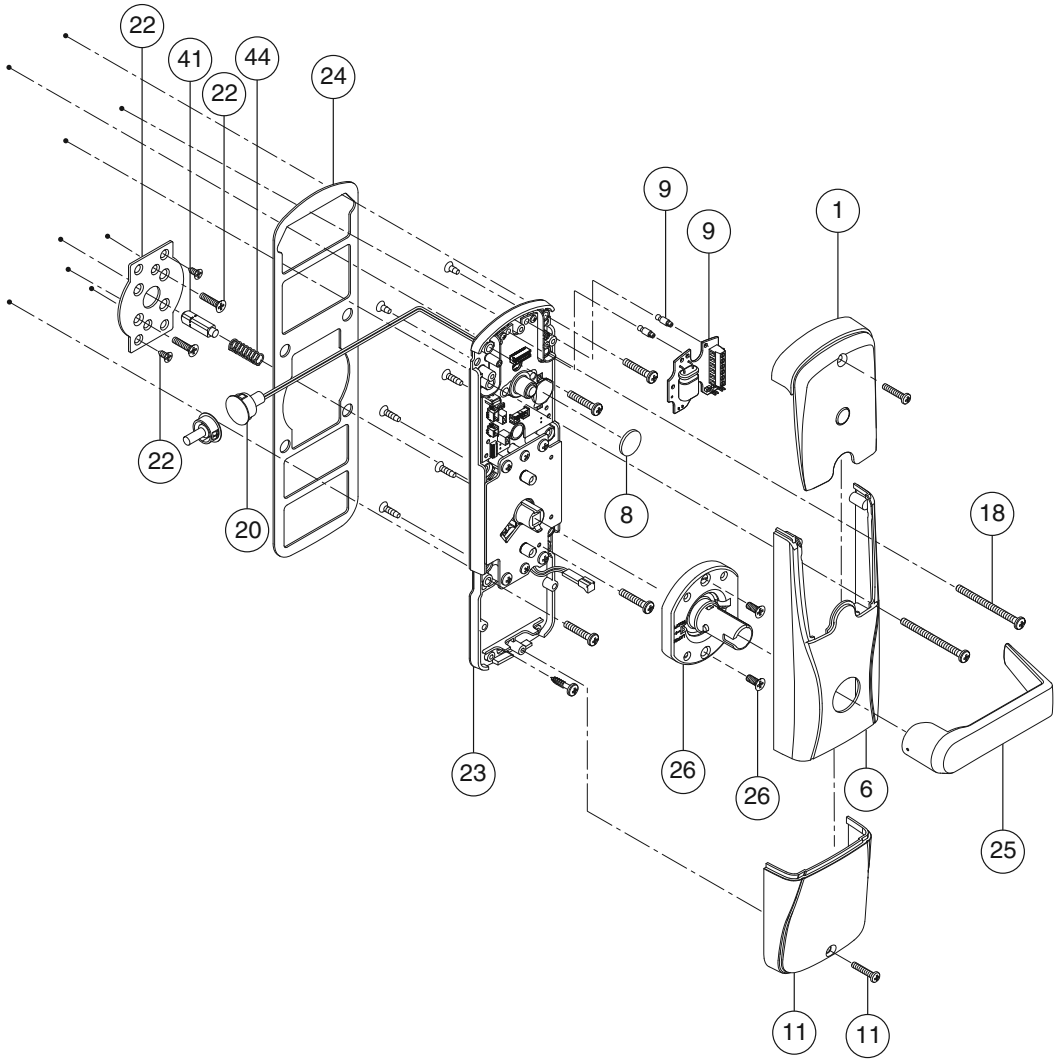
Number	Description		Part Number
3*	Escutcheon, MS	Escutcheon, MS	46928750†
		Screws, Escutcheon	
4	Lock Case, Narrow, 1 1/16" wide		46928818
	Lock Case, 1 1/4" wide		46928826
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719

Number	Description		Part Number
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
28*	Armor Front, MS	Armor Front	*See pg. 47*
		Screws, Armor Front	
29❖	Baseplate, MS		46928537
41⌘	Spindle		*See pg. 45*
42⌘	Mortise Stand-0ffs		
43⌘	Baseplate Stand-offs		

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
† *If using GD/BD Cylinder and Lever preparation, use part number 46928743*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-300-MS

Interior



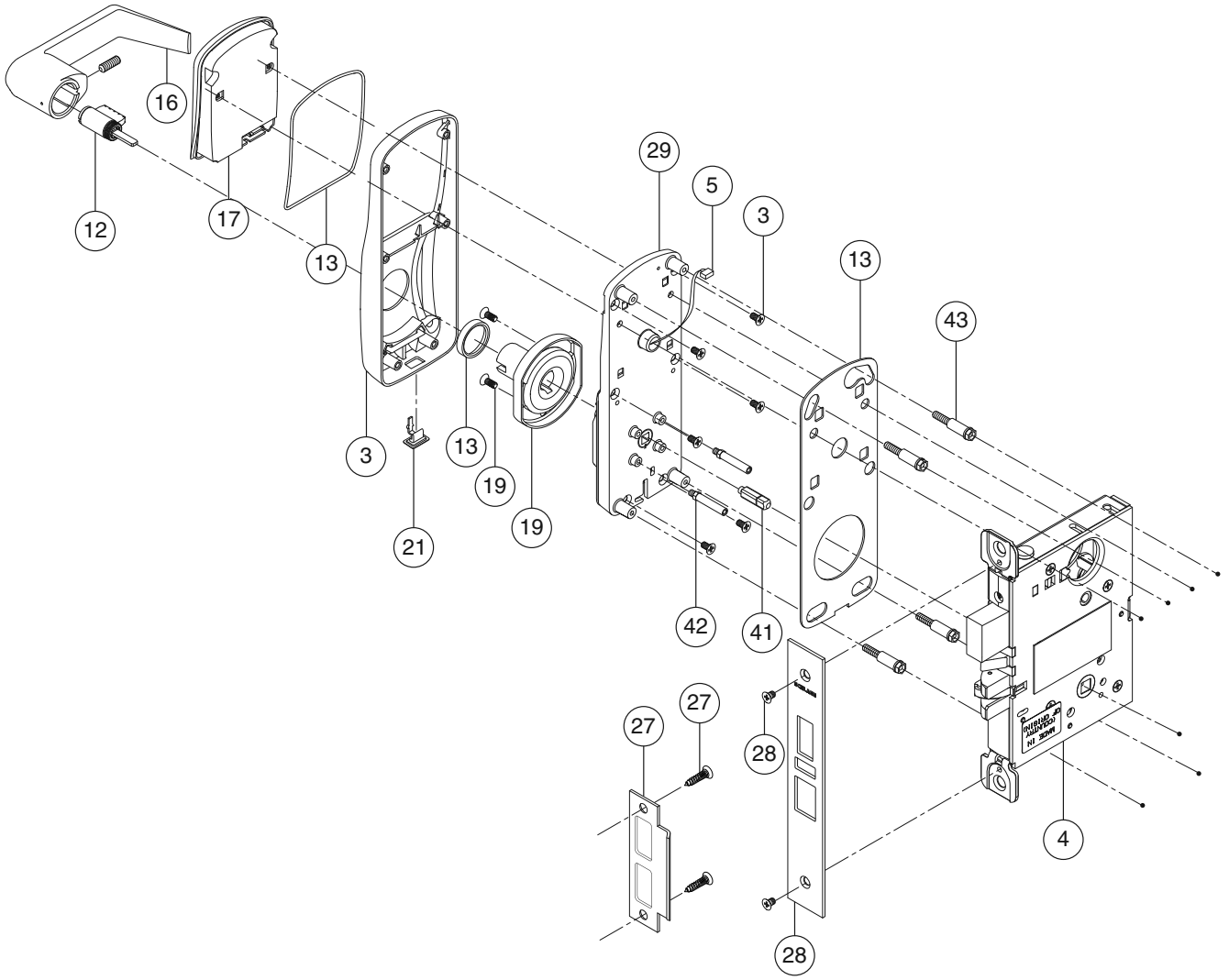
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
6*	Escutcheon, CY and MS	Escutcheon, CY and MS	46929014
		Screws, Spring Cage	
8	Lithium Battery		46929147
9	Communication Module, Hardwired	Communication Module, Hardwired	46928958
		Standoffs, Communication Module	

Number	Description		Part Number
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-300-MD

Exterior



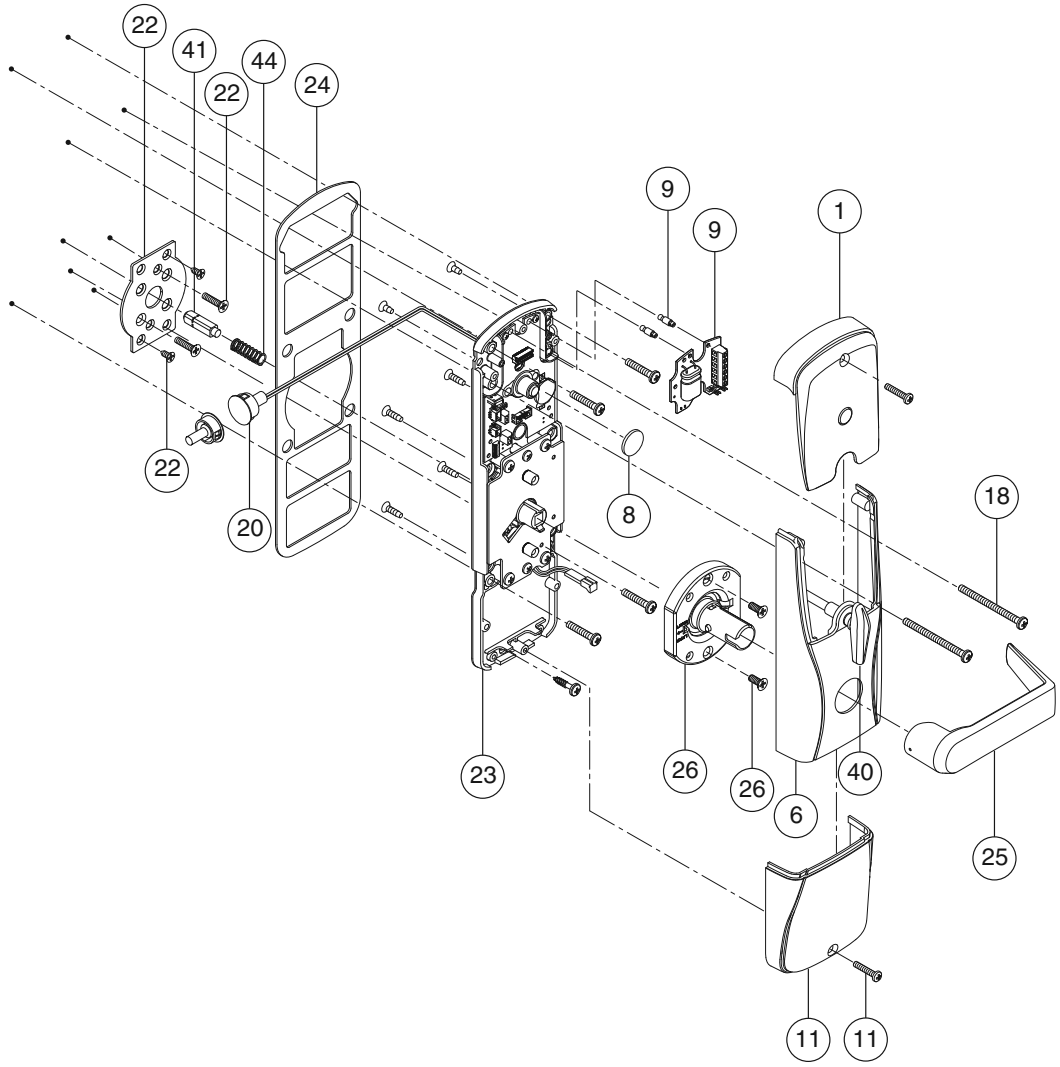
Number	Description		Part Number
3*	Escutcheon, MS	Escutcheon, MS	46928750†
		Screws, Escutcheon	
4	Lock Case, Deadbolt, Narrow-1 1/16" wide		46928834
	Lock Case, Deadbolt, 1 1/4" wide		46928842
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719

Number	Description		Part Number
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
28*	Armor Front, MS	Armor Front	*See pg. 47*
		Screws, Armor Front	
29❖	Baseplate, MS		46928537
41⌘	Spindle		*See pg. 45*
42⌘	Mortise Stand-0ffs		
43⌘	Baseplate Stand-offs		

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
† *If using GD/BD Cylinder and Lever preparation, use part number 46928743*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-300-MD

Interior



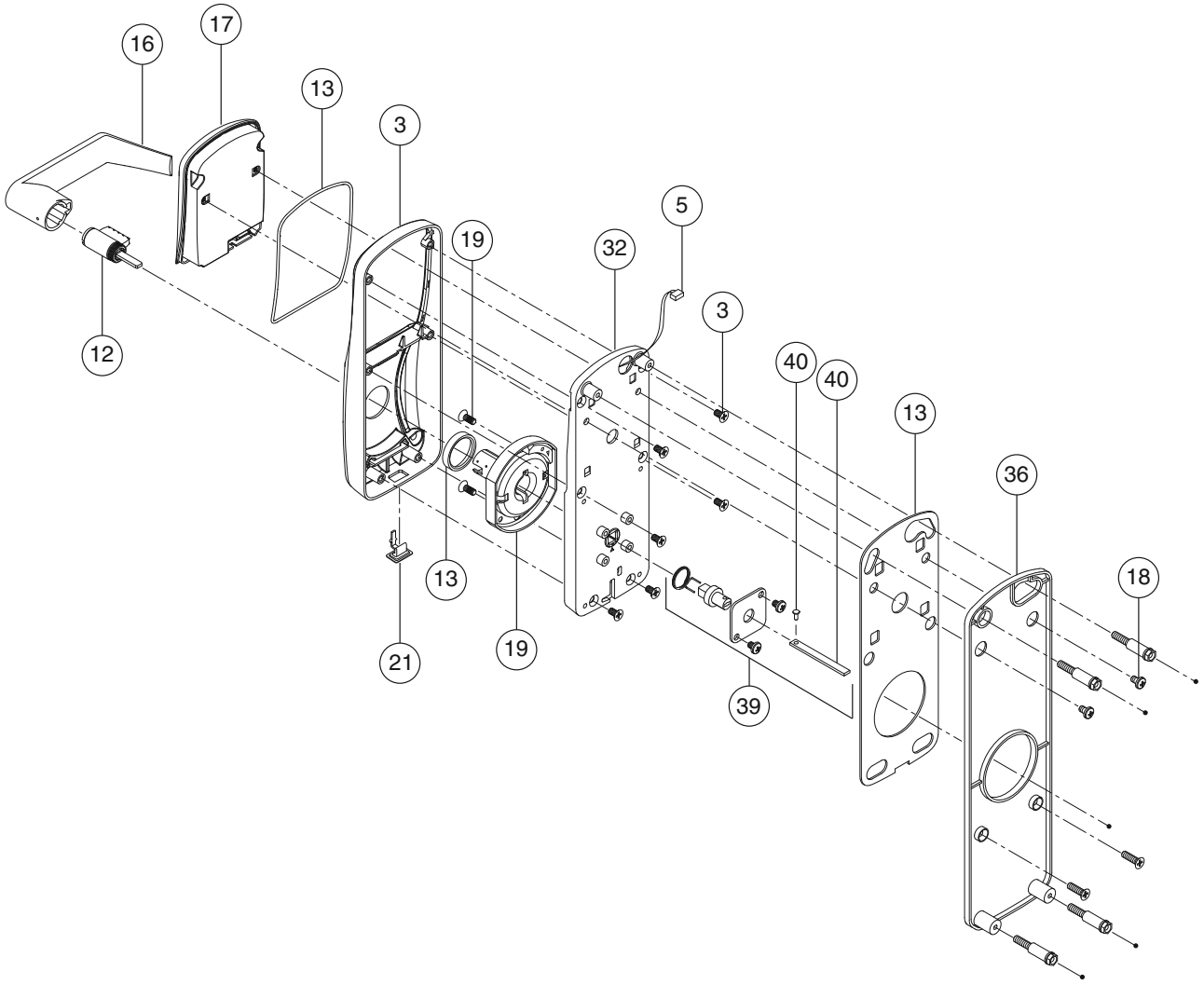
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
6*	Escutcheon, MD	Escutcheon, MD	46929022
		Screws, Escutcheon	
8	Lithium Battery		46929147
9	Communication Module, Hardwired	Communication Module, Hardwired	46928958
		Standoffs, Communication Module	

Number	Description		Part Number
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
40	Thumbturn, Deadbolt		46929113
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-300-993-R

Exterior



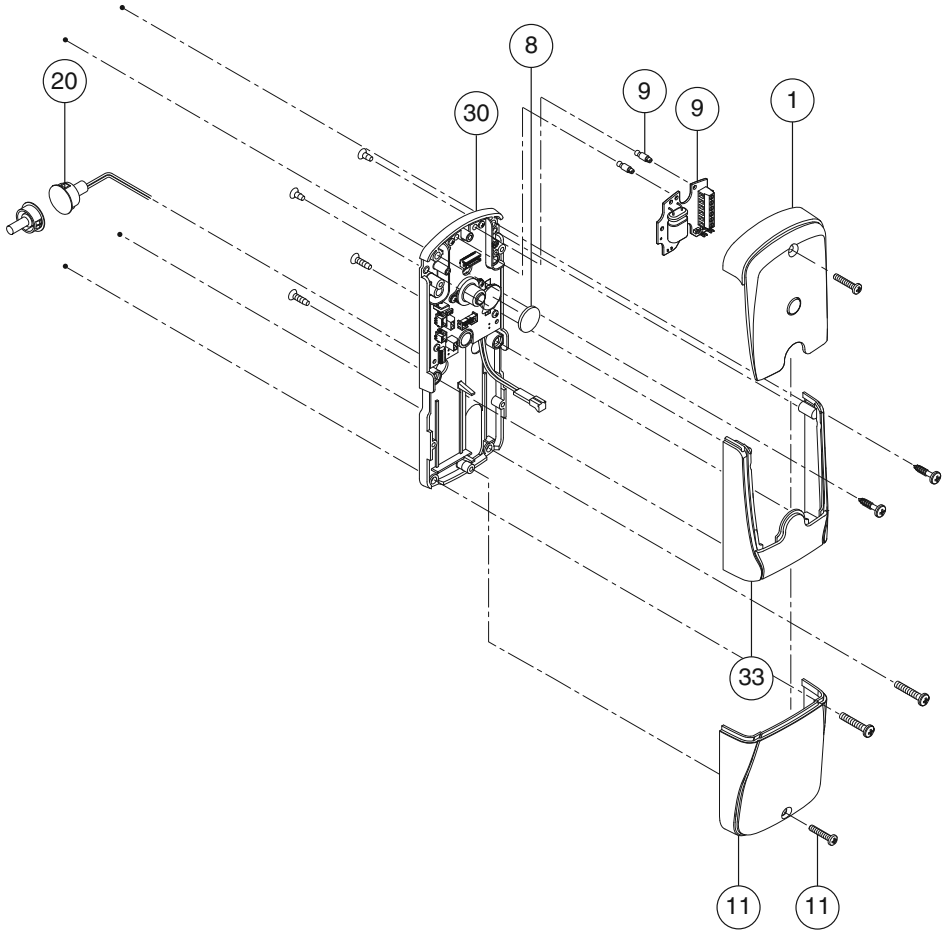
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece,	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	
40	Tailpiece	Tailpiece	46929303
		Pine Tree Clip	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-300-993-R

Interior



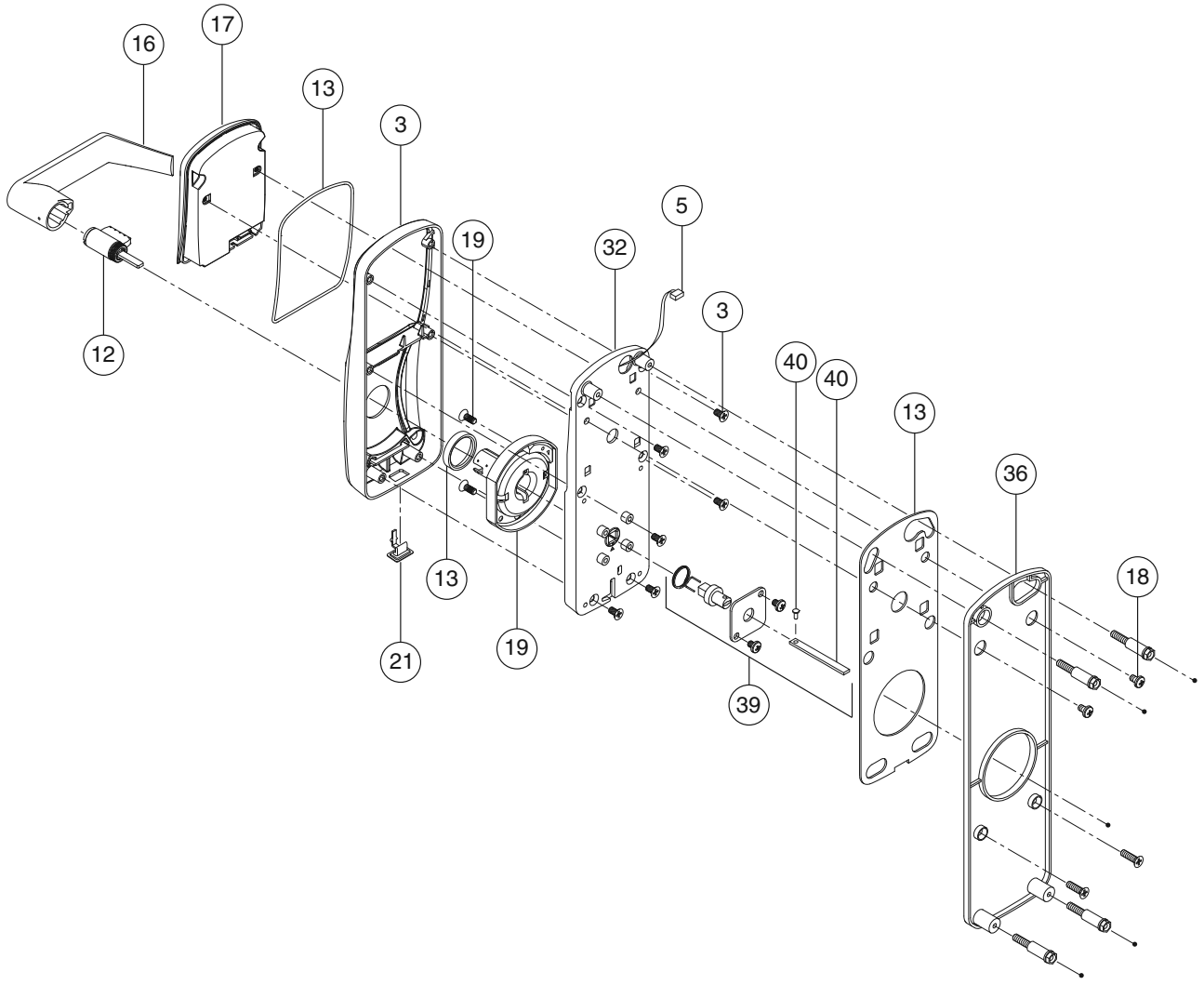
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
8	Lithium Battery		46929147
9	Communication Module, Hardwired	Communication Module, Hardwired	46928958
		Standoffs, Communication Module	
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974

Number	Description		Part Number
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-300-993-S

Exterior



Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

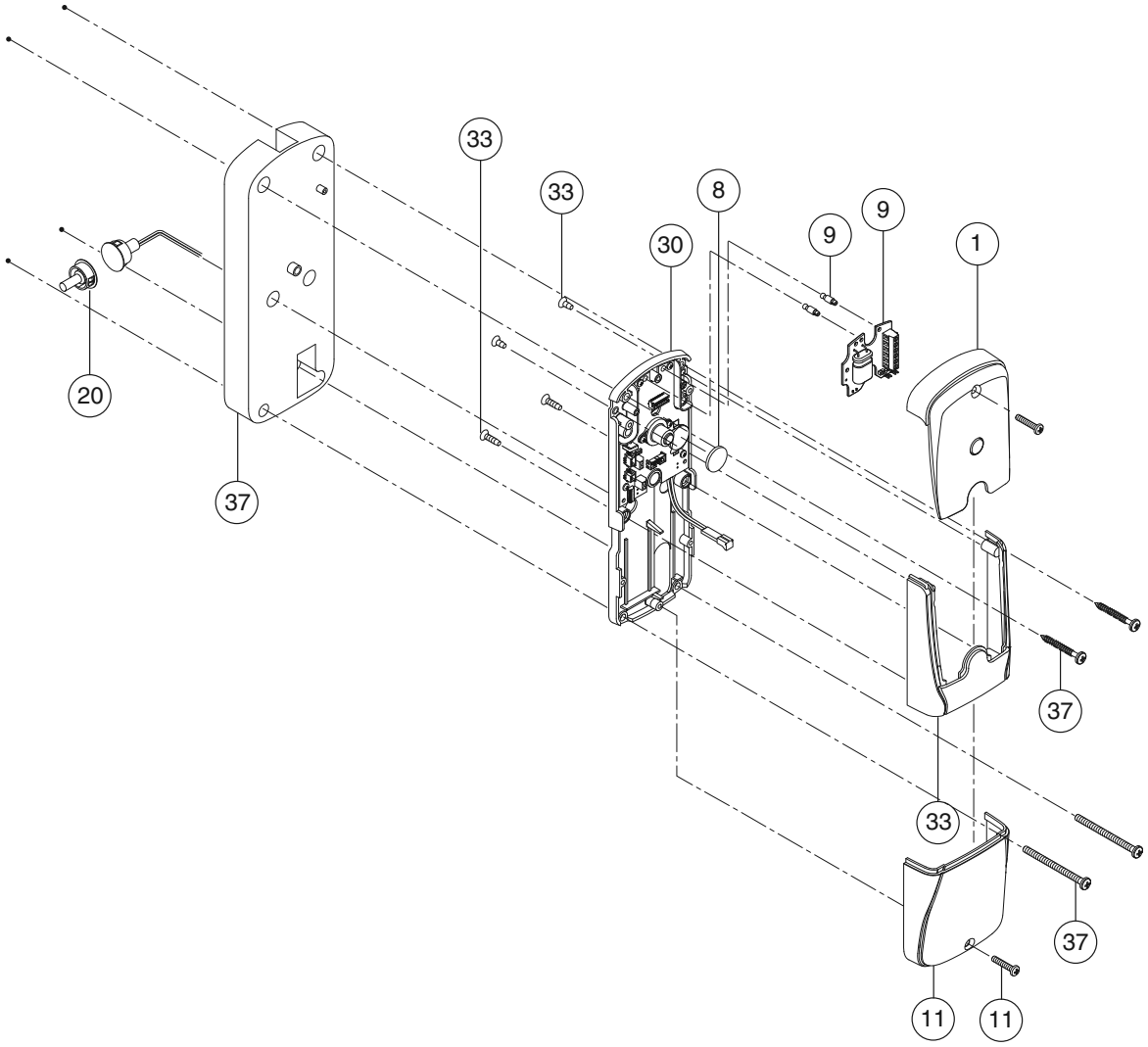
Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	
40	Tailpiece Kit	Tailpiece	46929303
		Pine Tree Clip	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

Ingersoll Rand Security Technologies

AD-300-993-S

Interior



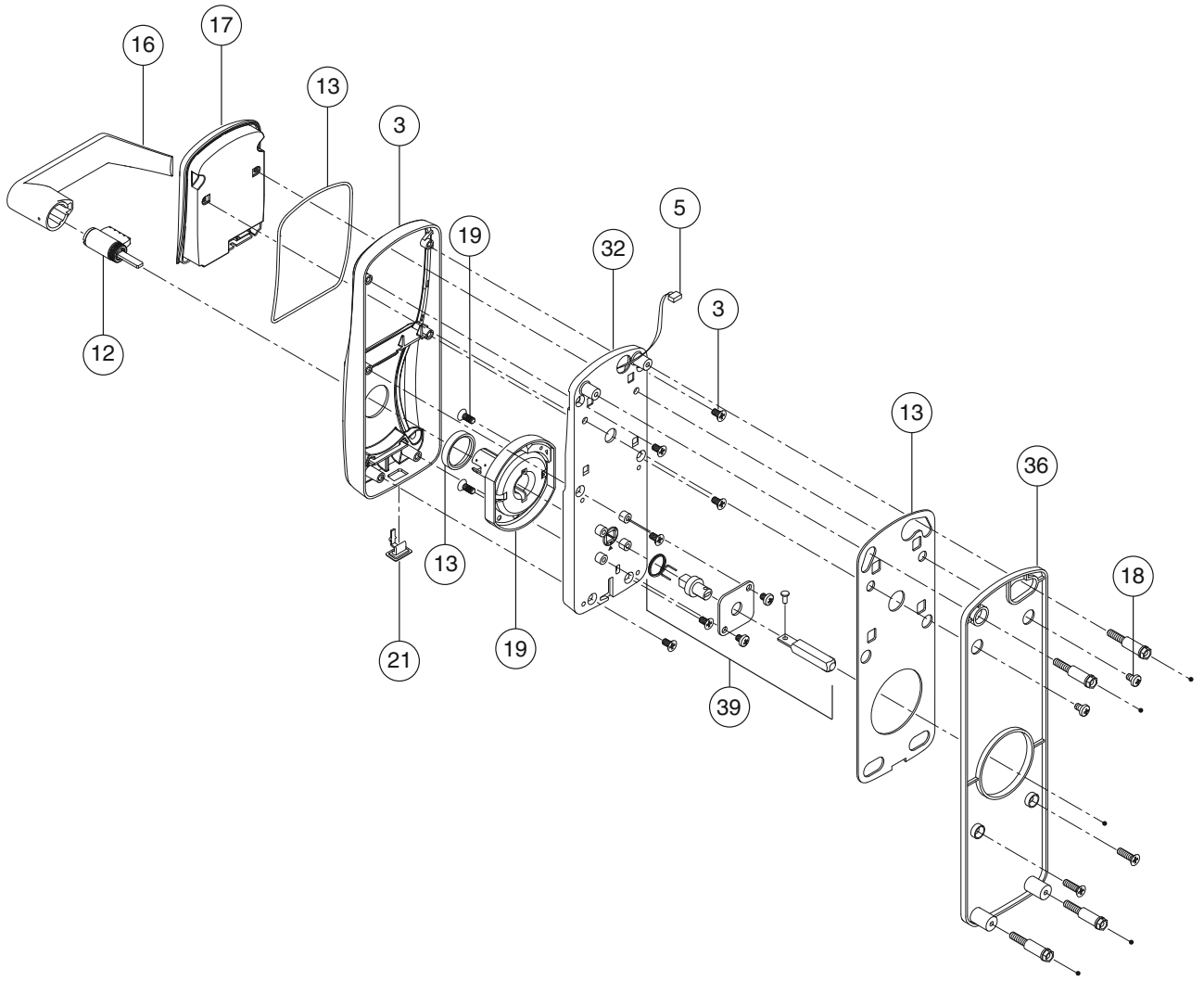
Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/ Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/ Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/ Offline with Indicator	COM200L
		Screws, Cover	
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

Number	Description		Part Number
37	Spacer, Inside Baseplate, S	Spacer, Baseplate	46929238
		Screws, Baseplate	
		Screws, Surface Mount	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-300-993-M

Exterior



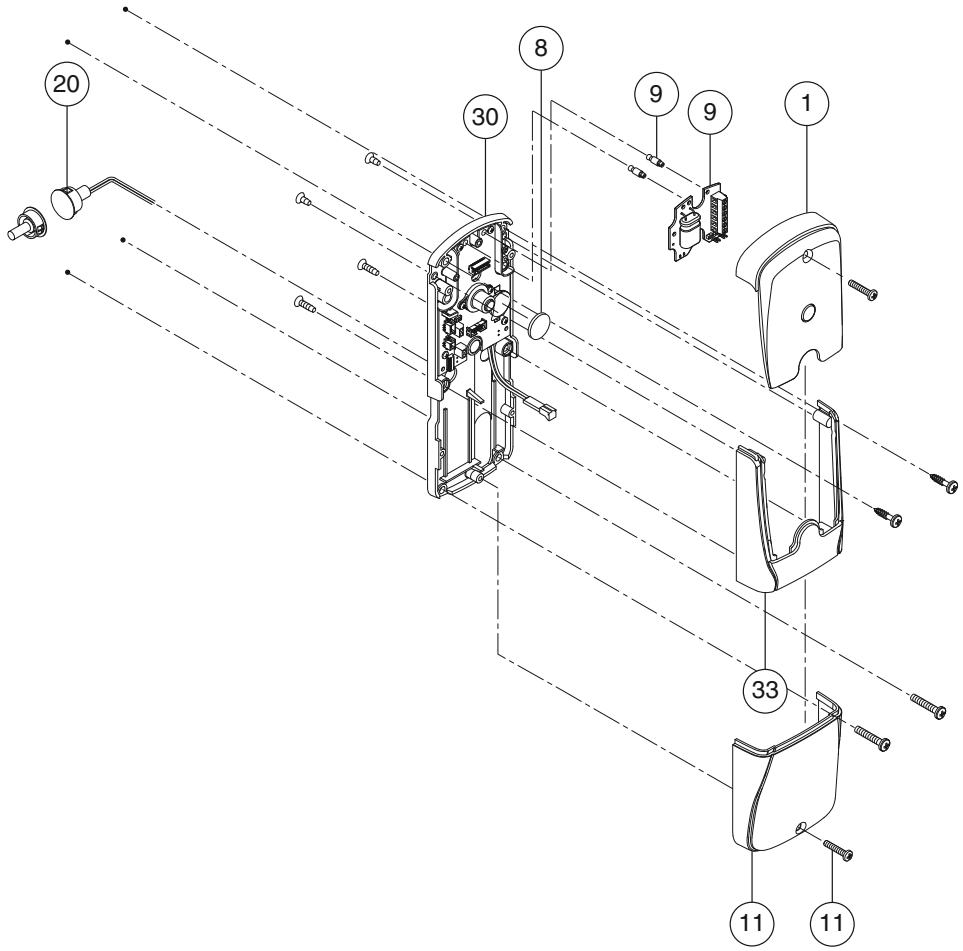
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-300-993-M

Interior

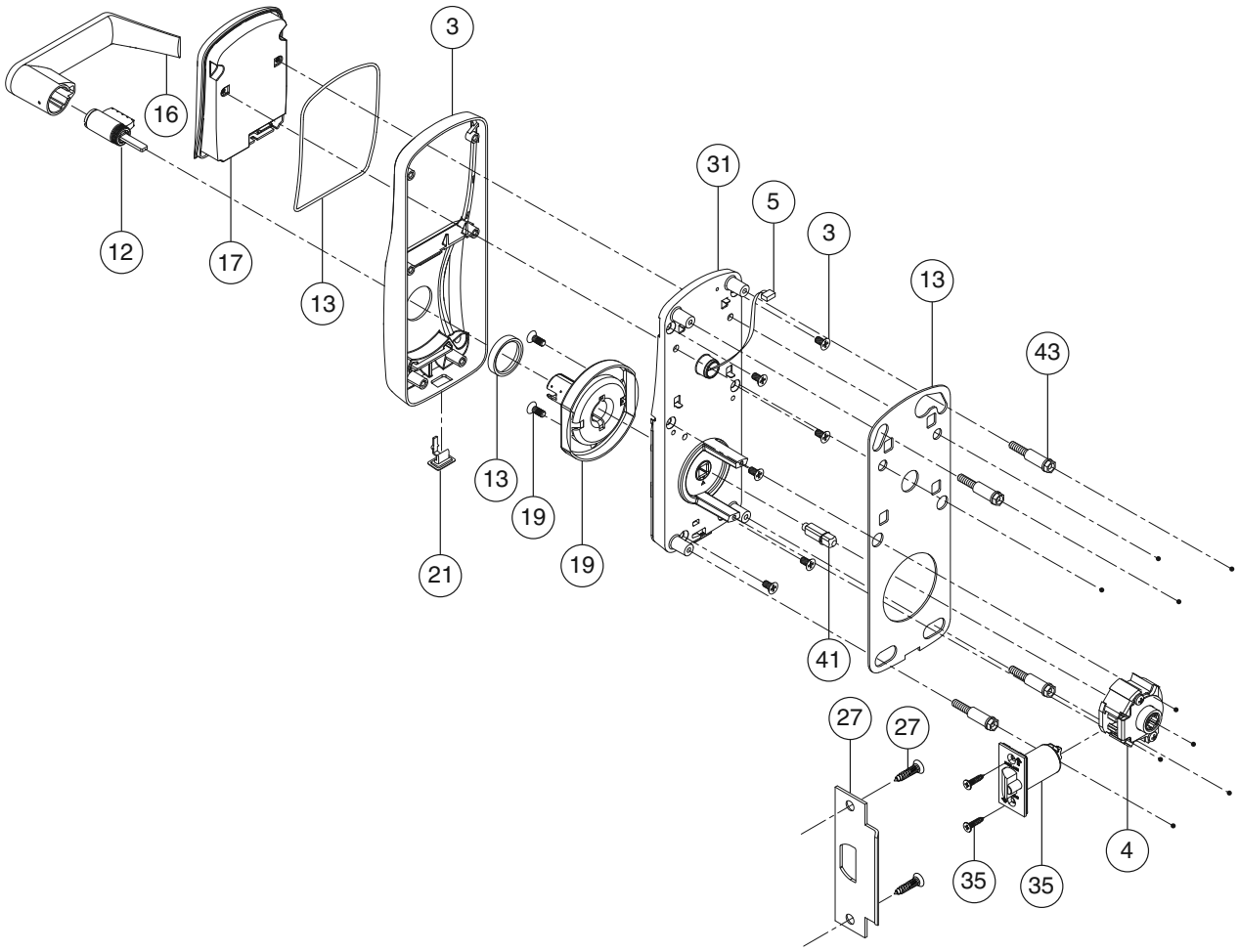


Number	Description		Part Number
1*	Cover, Hardwired/ Offline	Cover, Hardwired/Offline	COM200C
		Screws, Cover	
	Cover, Hardwired/ Offline with IPB	Cover, Hardwired/Offline with IPB	COM200P
		Screws, Cover	
	Cover, Hardwired/ Offline with Indicator	Cover, Hardwired/Offline with Indicator	COM200L
		Screws, Cover	
8	Lithium Battery		46929147
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-400-CY

Exterior



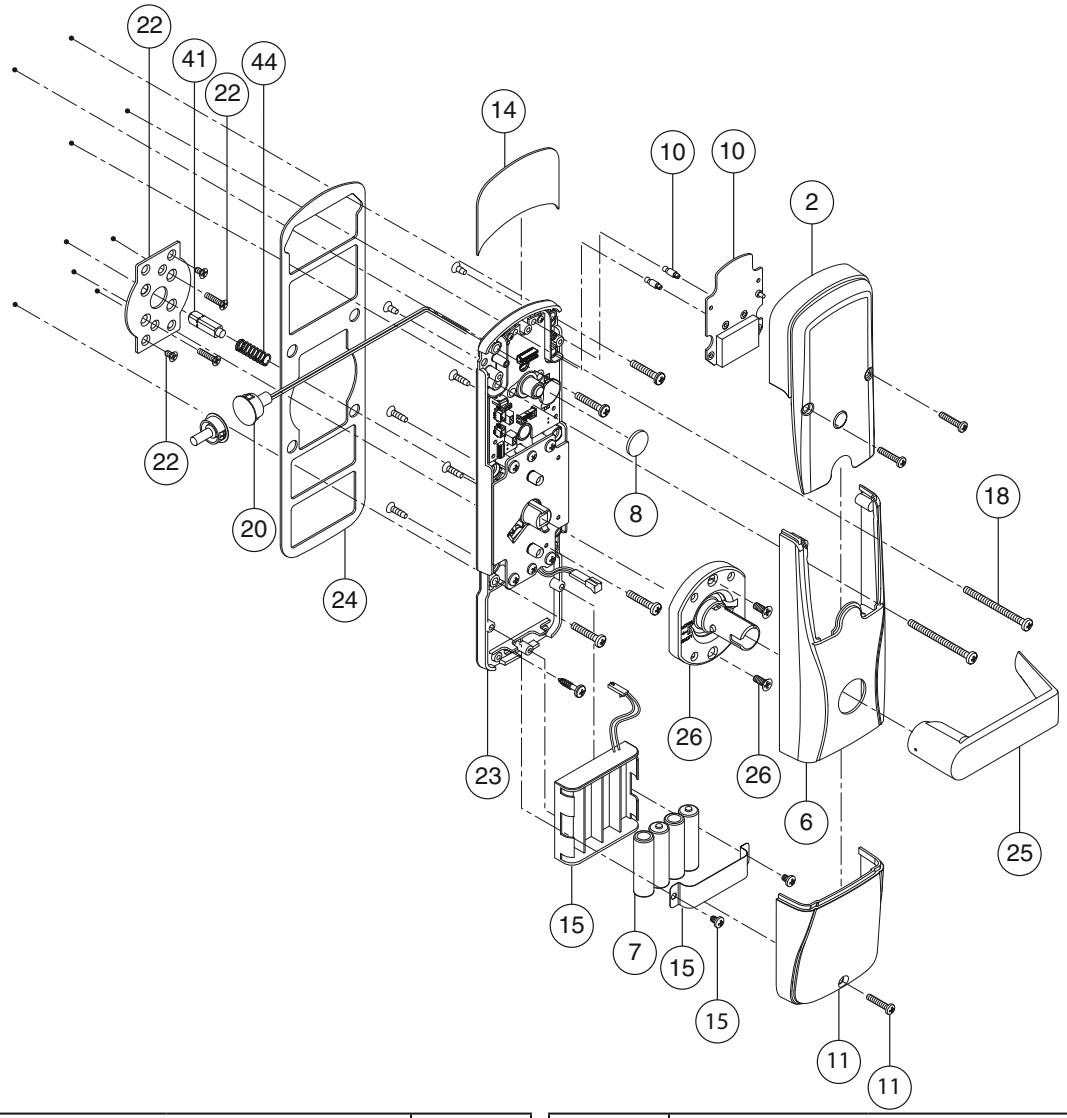
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
4	Retractor, Latch		46928800
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
31❖	Exterior Baseplate Assembly, CY		46928529

Number	Description		Part Number
35*	Latch	Latch	*See pg. 53*
		Screws, Latch	
41⌘	Spindle		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-400-CY

Interior



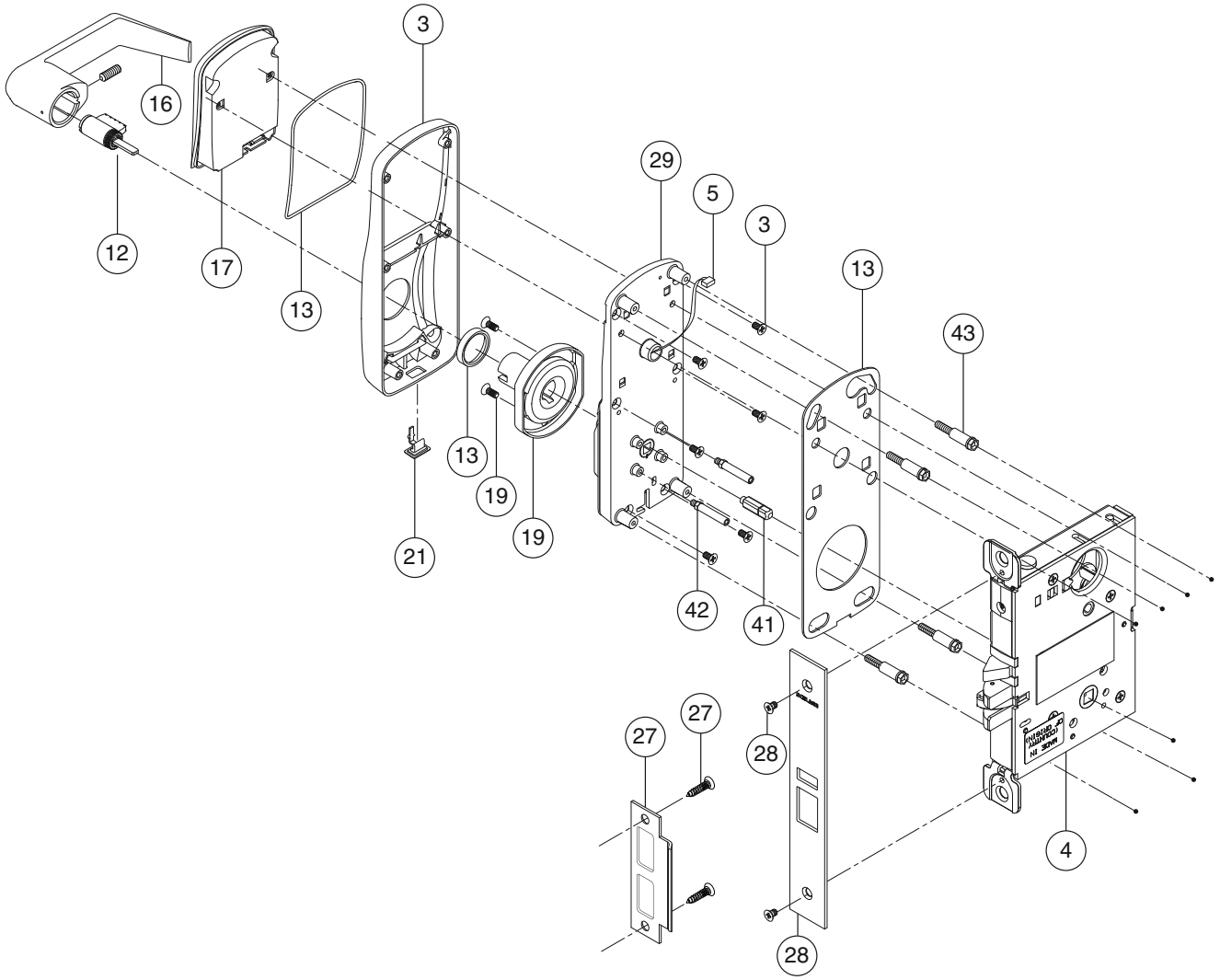
Number	Description		Part Number
2*	Cover, Wireless with IPB	Cover, Wireless with IPB	46928875
		Screws, Cover	
	Cover, Wireless with Indicator	Cover, Wireless with Indicator	46928883
		Screws, Cover	
6*	Escutcheon, CY and MS	Escutcheon, CY and MS	46929014
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
10	Communication Module, Wireless	Communication Module, Wireless	46928941
		Standoffs, Communication Module	
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974

Number	Description		Part Number
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-400-MS

Exterior



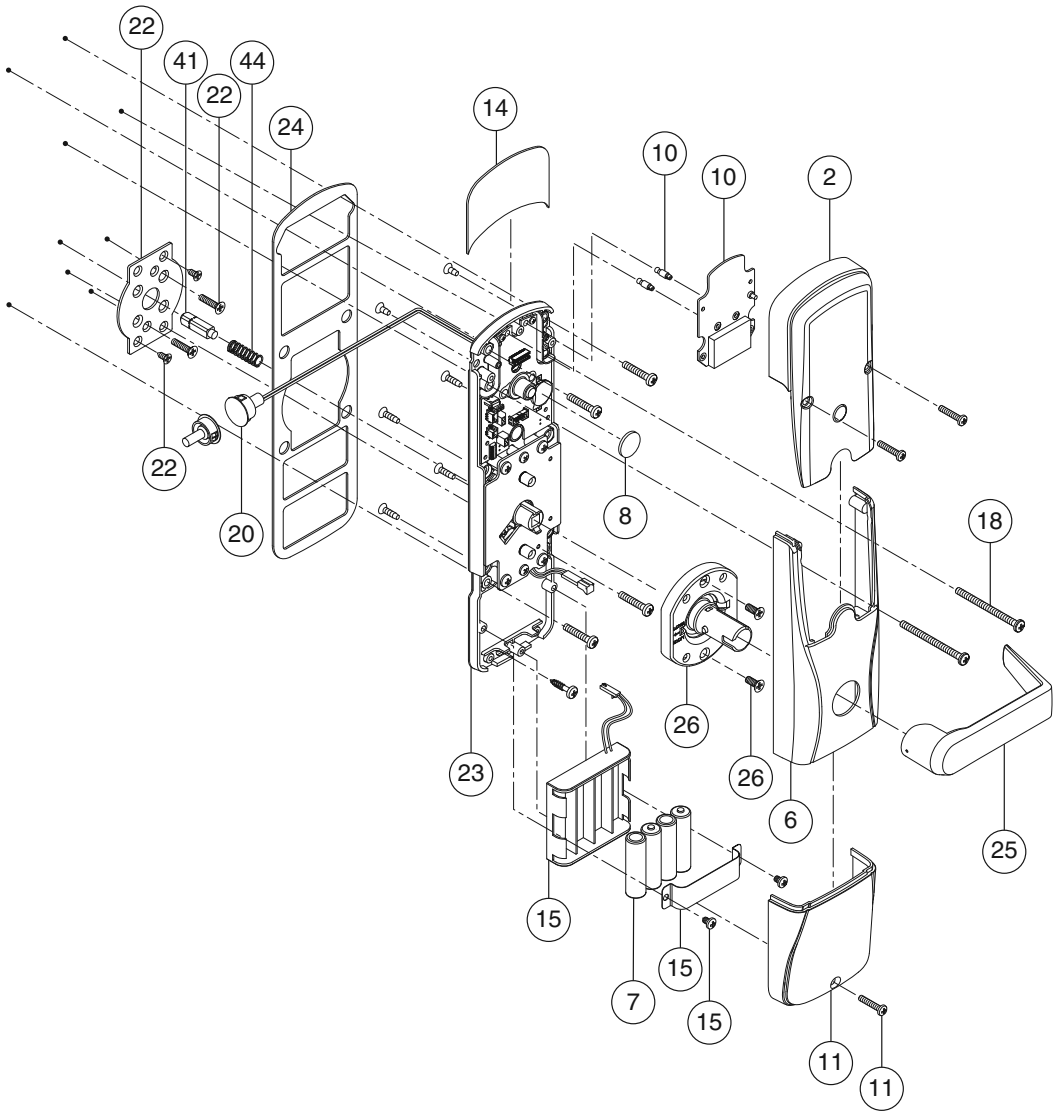
Number	Description		Part Number
3*	Escutcheon, MS	Escutcheon, MS	46928750†
		Screws, Escutcheon	
4	Lock Case, Narrow, 1 1/16" wide		46928818
	Lock Case, 1 1/4" wide		46928826
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719

Number	Description		Part Number
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
28*	Armor Front, MS	Armor Front	*See pg. 47*
		Screws, Armor Front	
29❖	Baseplate, MS		46928537
41⌘	Spindle		*See pg. 45*
42⌘	Mortise Stand-0ffs		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
† *If using GD/BD Cylinder and Lever preparation, use part number 46928743*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-400-MS

Interior



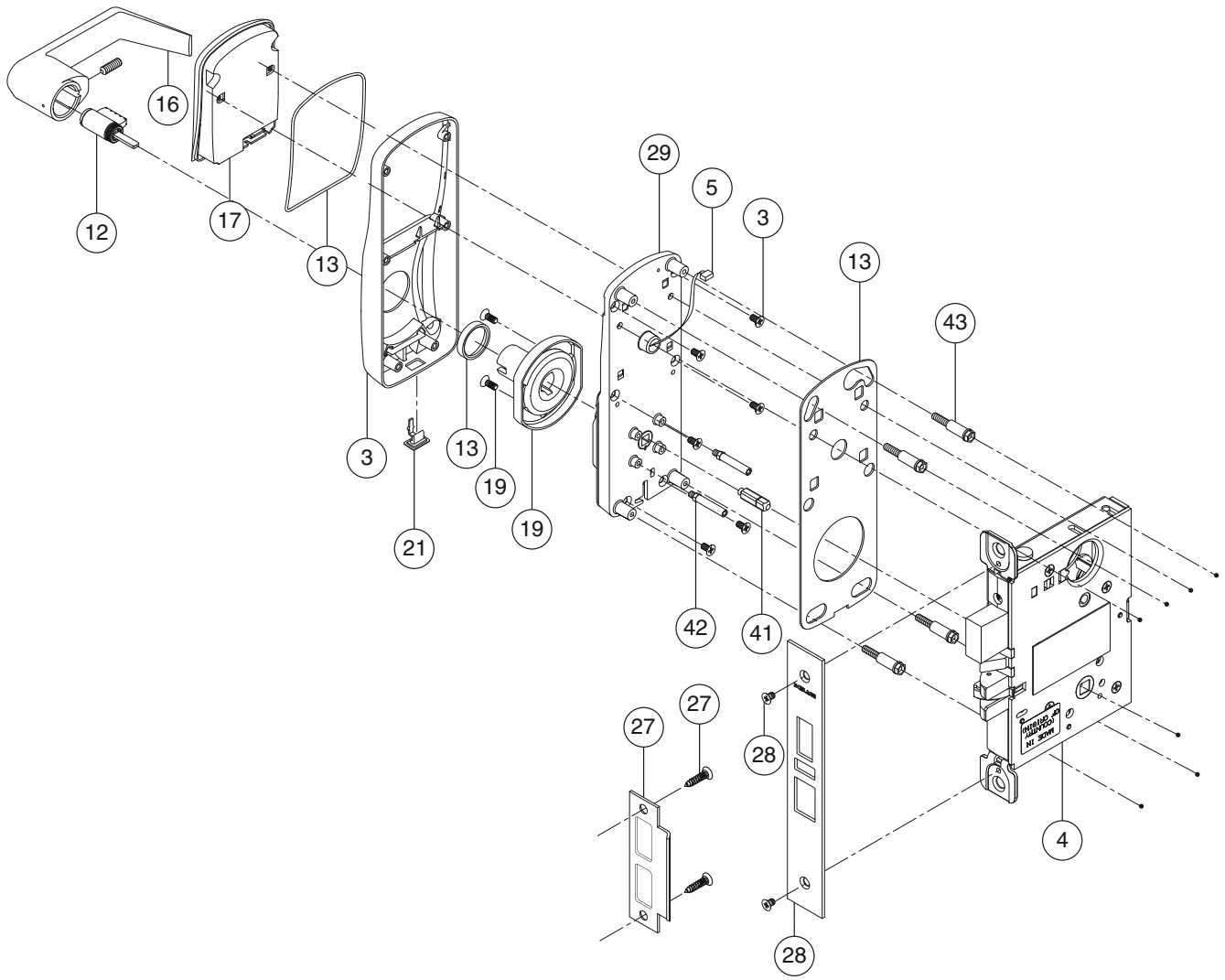
Number	Description		Part Number
2*	Cover, Wireless with IPB	Cover, Wireless with IPB	46928875
		Screws, Cover	
	Cover, Wireless with Indicator	Cover, Wireless with Indicator	46928883
		Screws, Cover	
6*	Escutcheon, CY and MS	Escutcheon, CY and MS	46929014
		Screws, Spring Cage	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
10	Communication Module, Wireless	Communication Module, Wireless	46928941
		Standoffs, Communication Module	
11*	Cover, Four Batter	Cover, Four Batter	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974

Number	Description		Part Number
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Screws, Spring Cage	
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-400-MD

Exterior



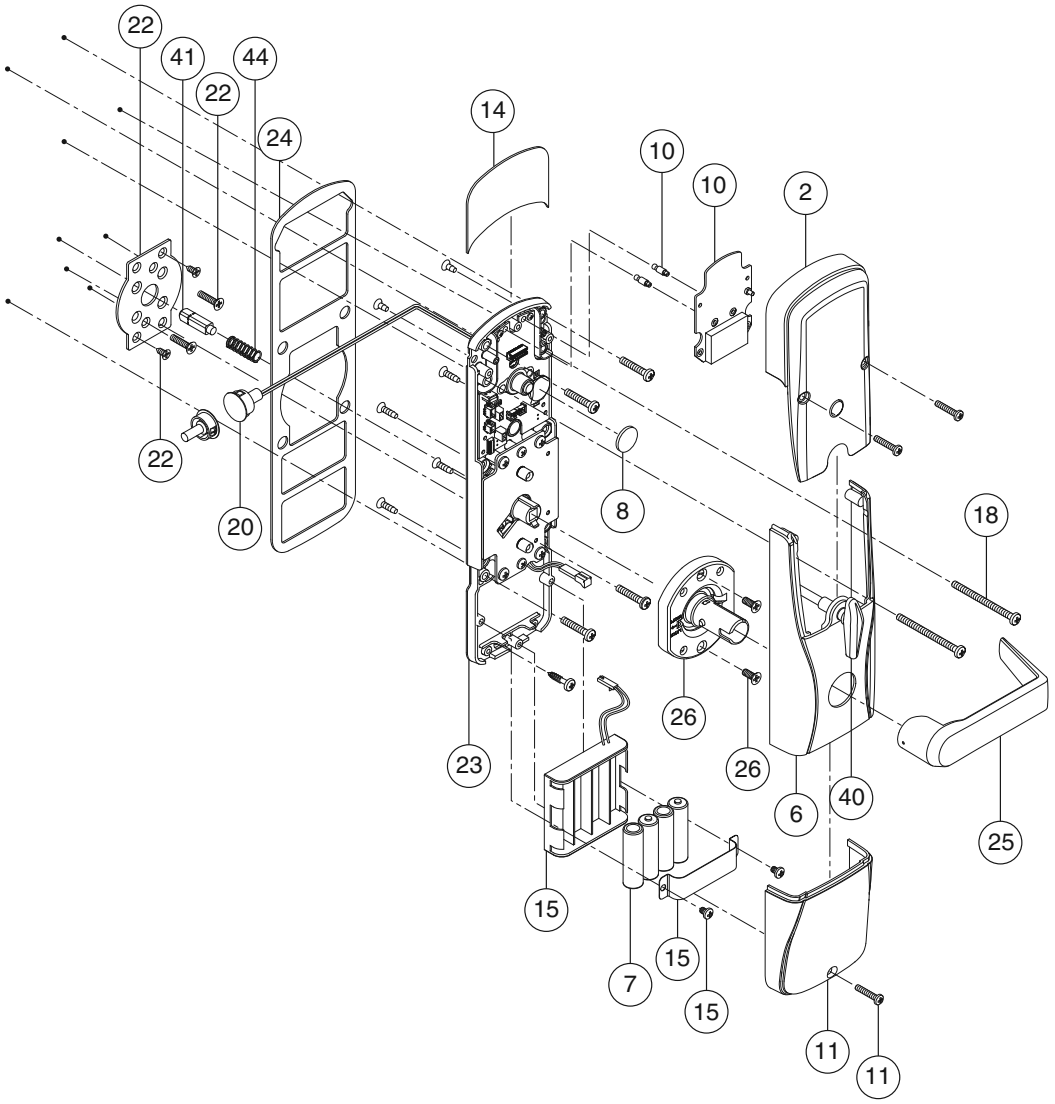
Number	Description		Part Number
3*	Escutcheon, MS	Escutcheon, MS	46928750
		Screws, Escutcheon	
4	Lock Case, Deadbolt, Narrow, 1 1/16" wide		46928834
	Lock Case, Deadbolt, 1 1/4" wide		46928842
5**	Wiring Harness, CY and MS		46928727
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719

Number	Description		Part Number
27*	Strike	Strike	*See pg. 47*
		Screws, Strike	
28*	Armor Front, MS	Armor Front	*See pg. 47*
		Screws, Armor Front	
29❖	Baseplate, MS		46928537
41⌘	Spindle		*See pg. 45*
42⌘	Mortise Stand-0ffs		*See pg. 45*
43⌘	Baseplate Stand-offs		*See pg. 45*

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
† *If using GD/BD Cylinder and Lever preparation, use part number 46928743*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Cylinder Type and Handing*

AD-400-MD

Interior



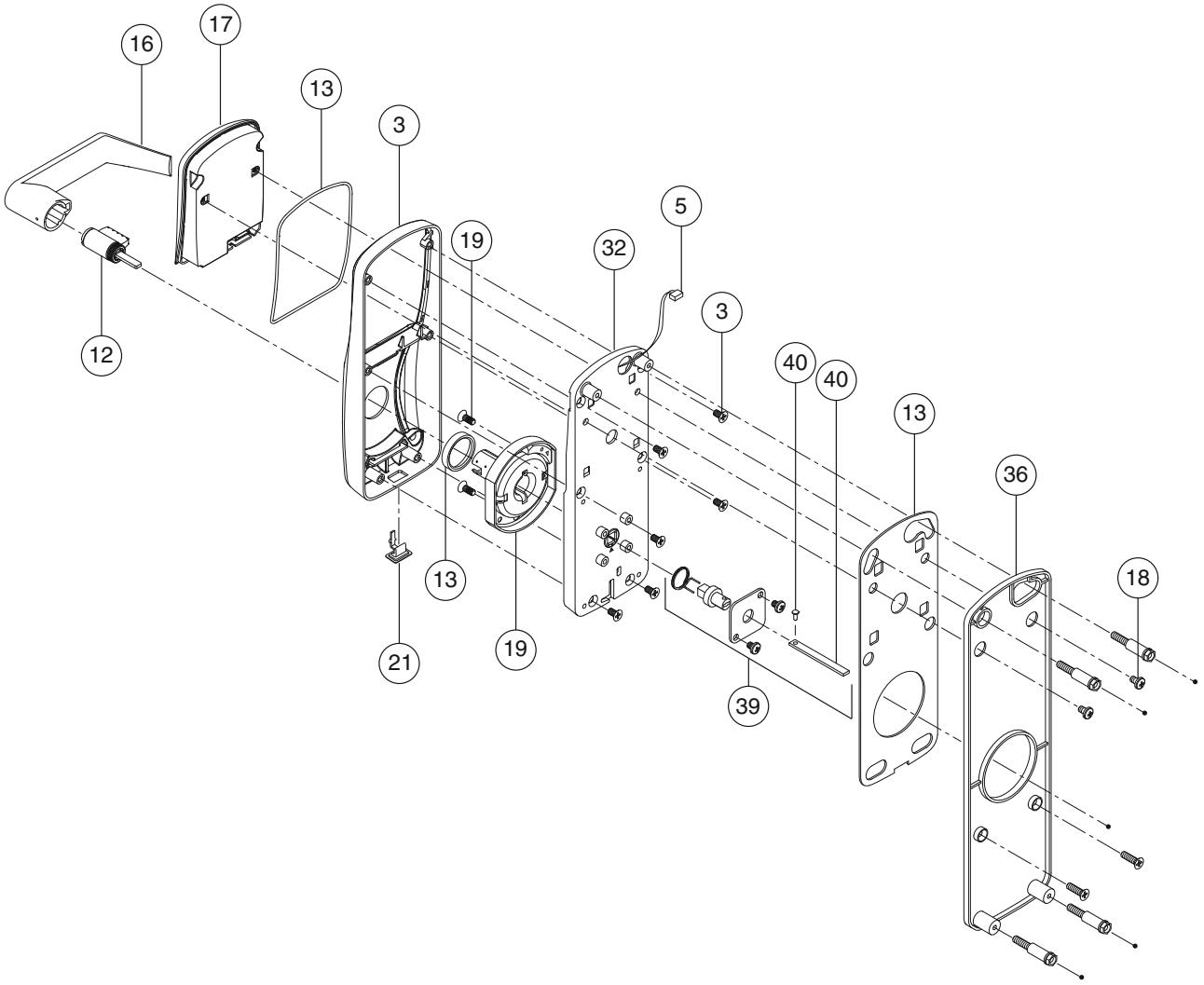
Number	Description		Part Number
2*	Cover, Wireless with IPB	Cover, Wireless with IPB	46928875
		Screws, Cover	
	Cover, Wireless with Indicator	Cover, Wireless with Indicator	46928883
		Screws, Cover	
6*	Escutcheon, MD	Escutcheon, MD	46929022
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
10	Communication Module, WIreless	Communication Module, Wireless	46928941
		Standoffs, Communication Module	
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974

Number	Description		Part Number
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	
18	Reader Module Screws (10 pcs.)		46928511
20	Switch, Door Position		46929121
22	Alignment Plate	Alignment Plate	46929030
		Screws, Surface Mount	
		Screws, Alignment Plate	
23❖	Interior Baseplate Assembly, CY and MS		46928990
24	Gasket, Baseplate, CY and MS		46928982
25*	Lever		03-030
26	Spring Cage	Spring Cage	46929006
		Cover, Spring Cage	
40	Thumbturn, Deadbolt		46929113
41⌘	Spindle		*See pg. 45*
44⌘	Spring		*See pg. 45*

* *Must specify Finish*
⌘ *This item only available as part of Door Thickness Kit*
❖ *Must specify Device Class and Handing*

AD-400-993-R

Exterior



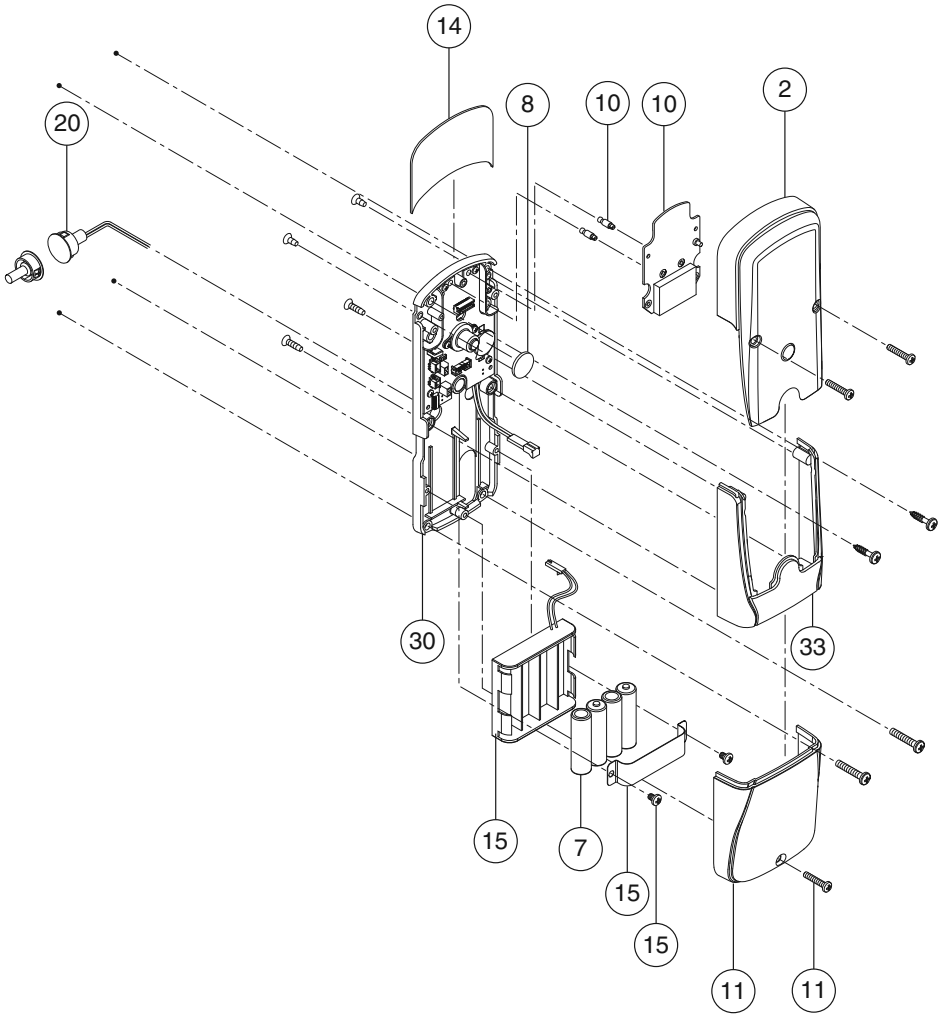
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	
40	Tailpiece Kit	Tailpiece	46929303
		Pine Tree Clip	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-400-993-R

Interior



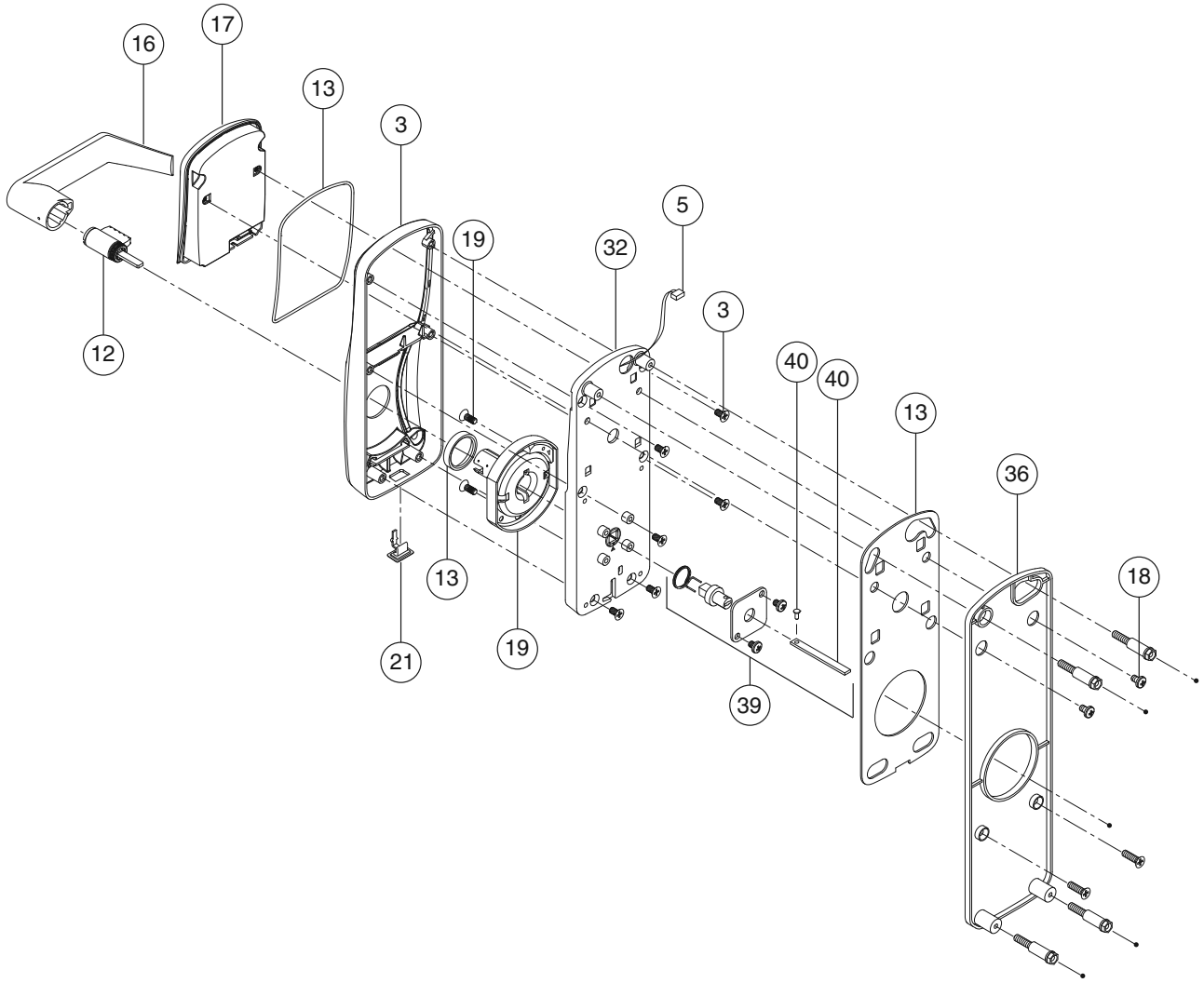
Number	Description		Part Number
2*	Cover, Wireless with IPB	Cover, Wireless with IPB	46928875
		Screws, Cover	
	Cover, Wireless with Indicator	Cover, Wireless with Indicator	46928883
		Screws, Cover	
7	Batteries, 4 AA		F206-488
8	Lithium Battery		46929147
10	Communication Module, Wireless	Communication Module, Wireless	46928941
		Standoffs, Communication Module	
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974

Number	Description		Part Number
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-400-993-S

Exterior



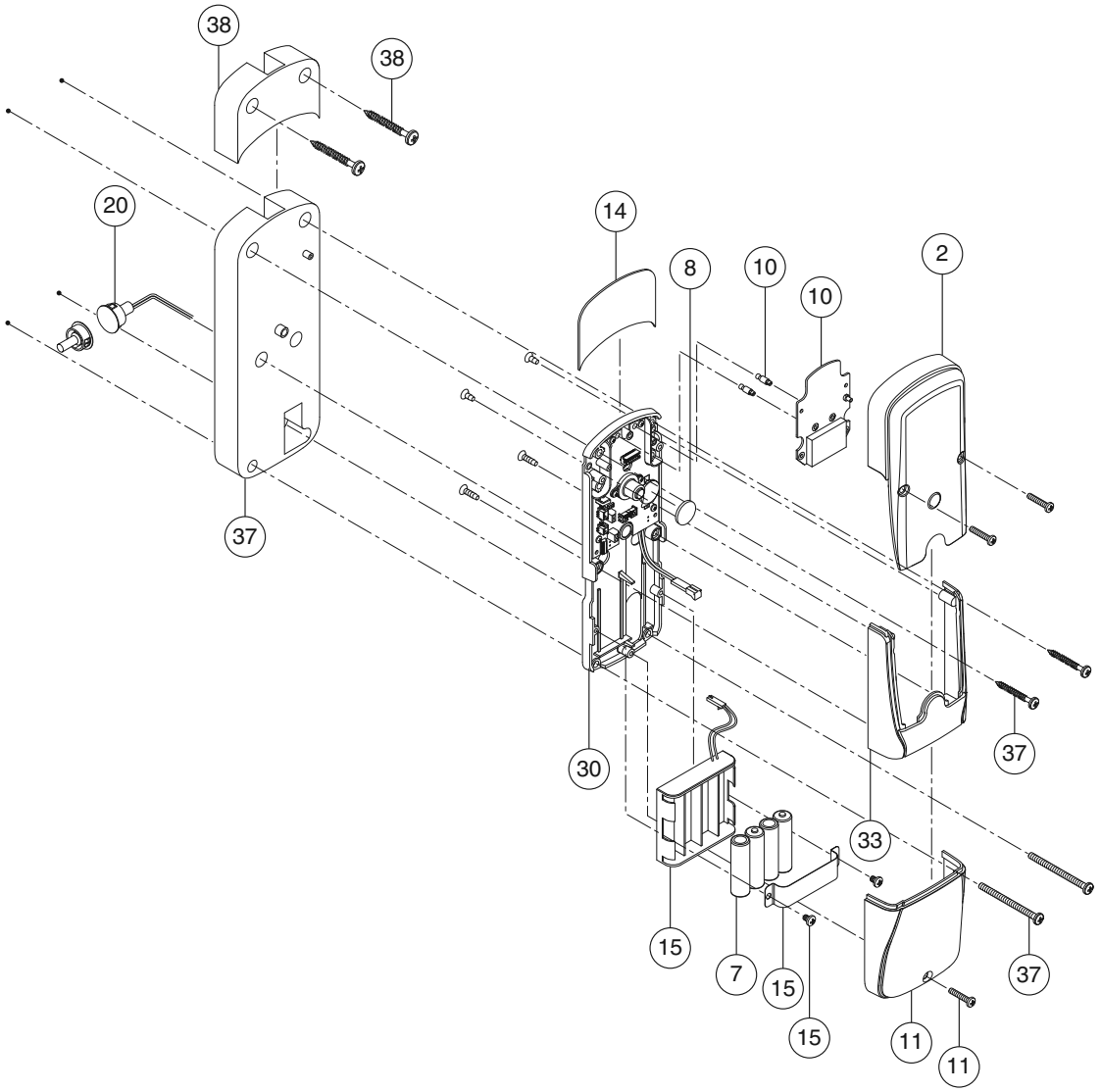
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	
40	Tailpiece Kit	Tailpiece	46929303
		Pine Tree Clip	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-400-993-S

Interior



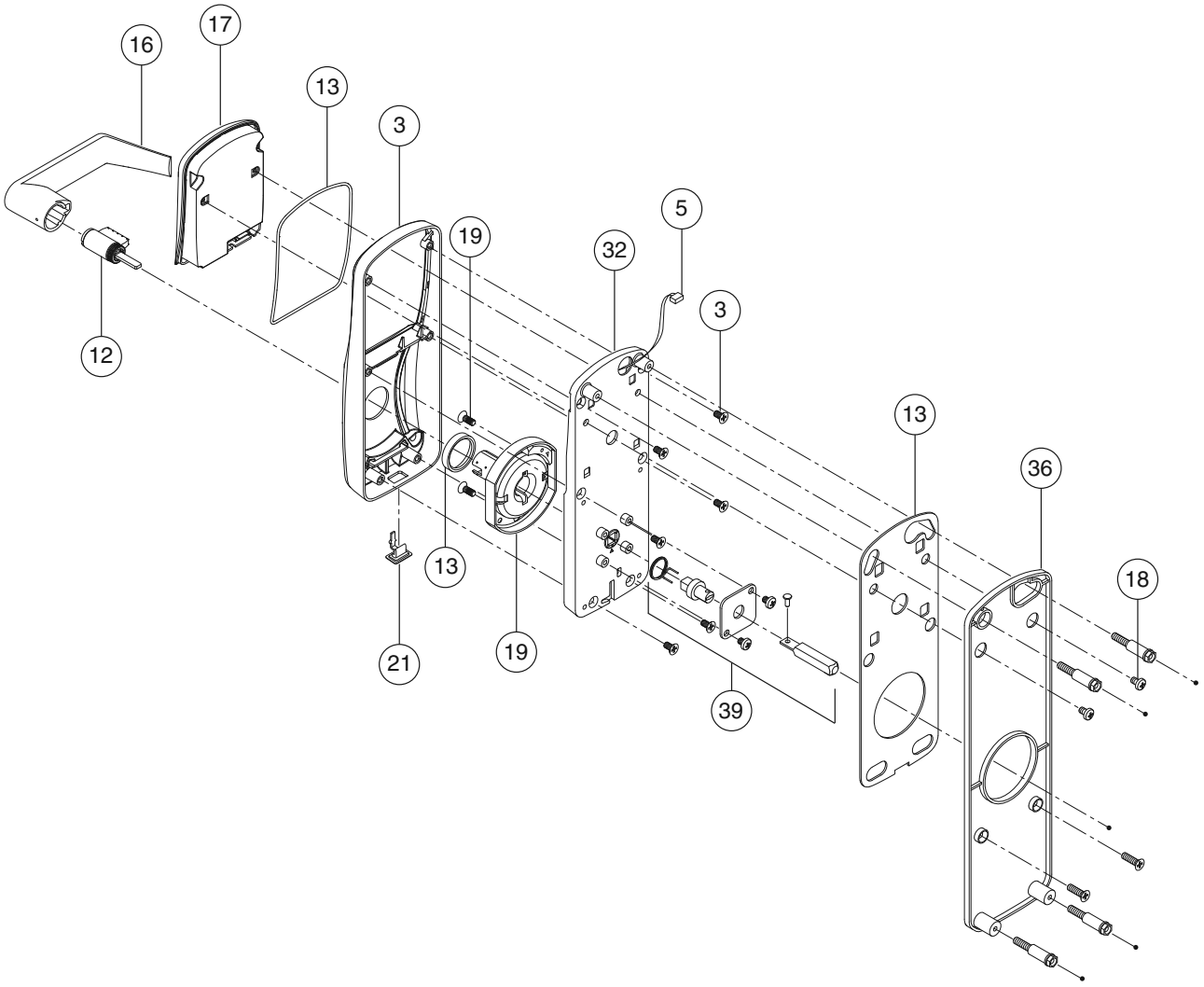
Number	Description		Part Number
2*	Cover, Wireless with IPB	Cover, Wireless with IPB	46928875
		Screws, Cover	
	Cover, Wireless with Indicator	Cover, Wireless with Indicator	46928883
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
10	Communication Module, Wireless	Communication Module, Wireless	46928941
		Standoffs, Communication Module	
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974
15	Holder, Four-Battery		46929063
18	Screws, Reader		46928511

Number	Description		Part Number
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	
37	Spacer, Inside Baseplate, S	Spacer, Baseplate	46929238
		Screws, Baseplate	
		Screws, Surface Mount	
38	Spacer, Inside Wireless Cover, AD-400-993-S	Spacer, Wireless Cover	46929246
		Screws, Surface Mount	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-400-993-M

Exterior



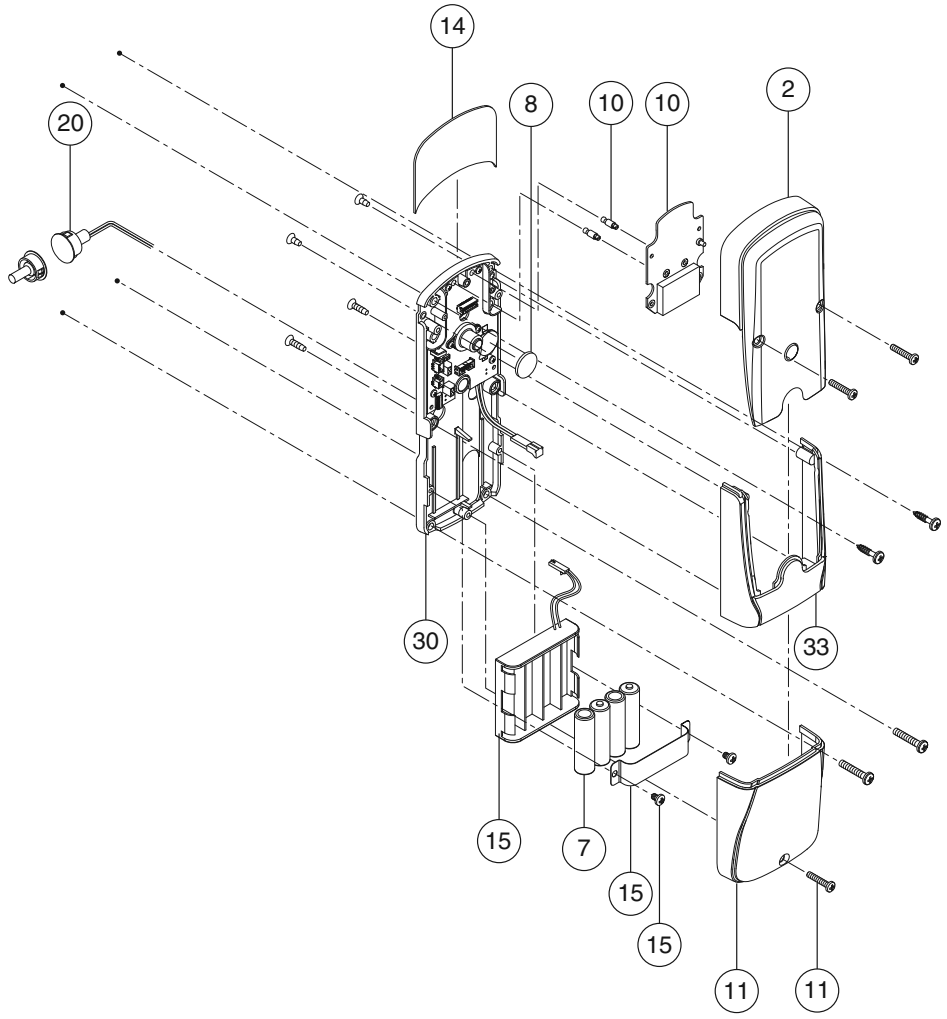
Number	Description		Part Number
3*	Escutcheon, CY and 993	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	
5**	Wiring Harness, 993		46928735
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
32❖	Baseplate, 993		46928545

Number	Description		Part Number
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
39	Spindle and Hub Kit	Tailpiece	46929295
		Clip, Tailpiece	
		Cover, Spindle, 993	
		Screw, Spindle Cover	
		Hub	
		Spring, Tailpiece, 993	

* *Must specify Finish*
** *See page 44 for a detailed explosion showing the wiring harness*
❖ *Must specify Cylinder Type and Handing*

AD-400-993-M

Interior



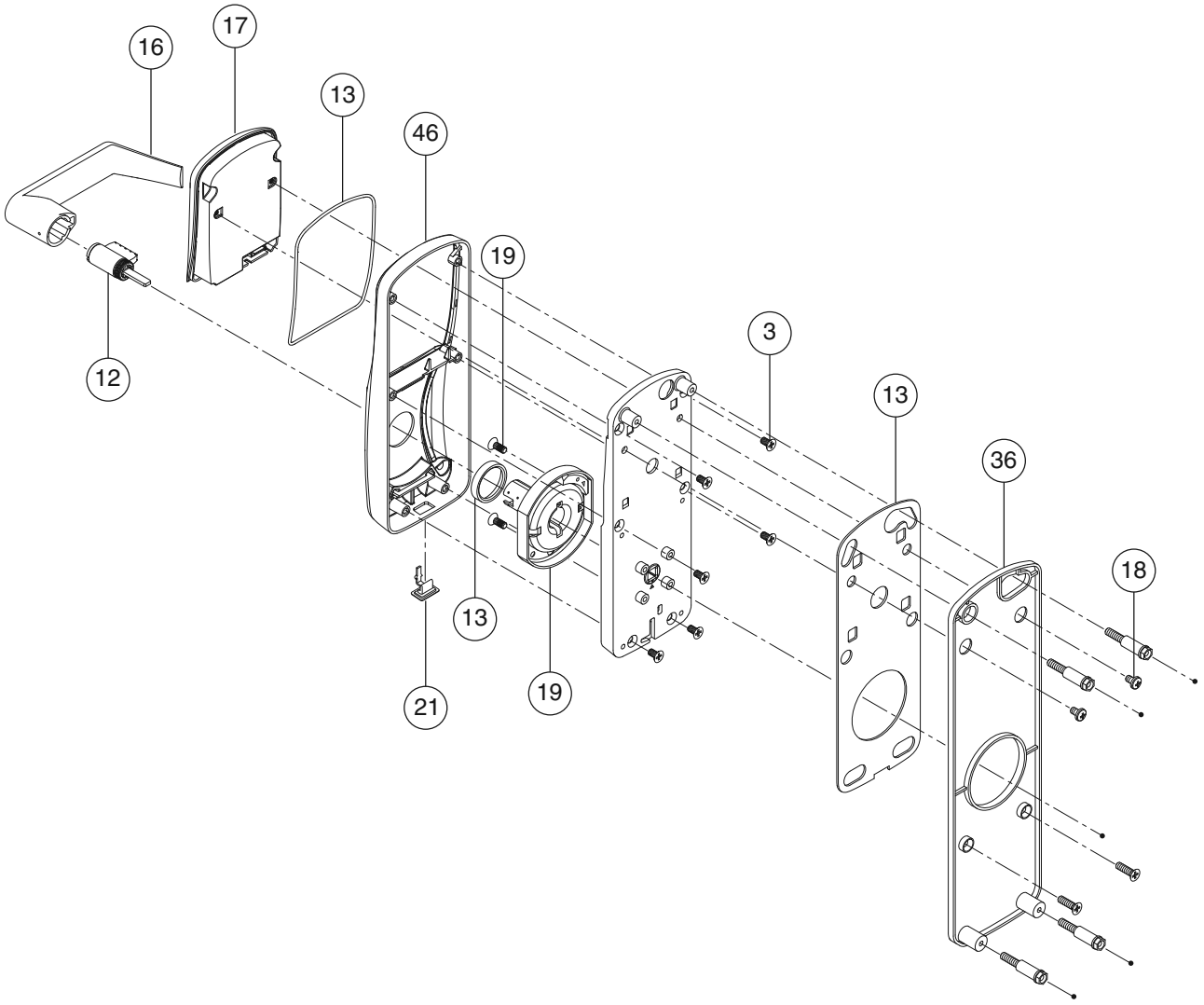
Number	Description		Part Number
2*	Cover, Wireless with IPB	Cover, Wireless with IPB	46928875
		Screws, Cover	
	Cover, Wireless with Indicator	Cover, Wireless with Indicator	46928883
		Screws, Cover	
7	Batteries, AA (4 pcs.)		F206-488
8	Lithium Battery		46929147
10	Communication Module, Wireless	Communication Module, Wireless	46928941
		Standoffs, Communication Module	
11*	Cover, Four-Battery	Cover, Four-Battery	4C
		Screws, Battery Cover	
14	Gasket, Foil		46928974
15	Holder, Four-Battery	Holder, Four-Battery	46929063
		Strap, Battery	
		Screws, Battery Strap	

Number	Description		Part Number
20	Switch, Door Position		46929121
30❖	Baseplate, 993		46929253
33*	Escutcheon, 993	Escutcheon, 993	46929279
		Screws, Escutcheon	

* *Must specify Finish*
❖ *Must specify Device Class and Handing*

AD-993-DT Dummy Trim

Exterior



Number	Description		Part Number
12*	Cylinder		*See pg. 52*
13	Gasket Kit, Outside	Gasket, Spindle	46929162
		Gasket, Baseplate	
		Gasket, Reader	
16*	Lever		*See pg. 48*
17*	Reader Module		*See pg. 41*
18	993 Reader Module Screws- Phillips Pan-Head Screw 10-24 x 5/16 (qty 2)		Not Sold Separately
19	Spring Cage	Spring Cage	*See pg. 50*
		Screws, Spring Cage	
21	USB Cover (10 pcs.)		46928719
36*	Mounting Plate, 993	Mounting Plate	46929220
		Screws, Mounting Plate	
46*	Escutcheon, 993-DT	Escutcheon, CY and 993	46928743
		Screws, Escutcheon	

* *Must specify Finish*

** *See page 44 for a detailed explosion showing the wiring harness*

Reader Modules

Reader Modules are used to replace an existing reader module or convert to a different type of reader module.

Keypad Only
Part Number: KP

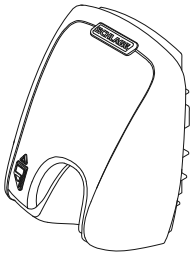
Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626,626AM, 643E

Magnetic Stripe (Track 1, 2, or 3)
Part Number: MG

Works with:
AD-200, AD-250
AD-300, AD-400

Available Finishes:
605, 606, 612, 619, 625,
626,626AM, 643E



Magnetic Stripe and Keypad (Track 1, 2, or 3)
Part Number: MGK

Works with:
AD-200, AD-250
AD-300, AD-400

Available Finishes:
605, 606, 612, 619, 625,
626,626AM, 643E

125 kHz Proximity (HID, AWID, Casi, XceedID)
Part Number: PR

Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

125 kHz Proximity and Keypad (HID, AWID, Casi, XceedID)
Part Number: PRK

Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

13.56 MHz Smart Card
Part Number: SM

Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

13.56 MHz Smart Card and Keypad
Part Number: SMK

Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

125 kHz Proximity and 13.56 MHz Smart Card
Part Number: MT

Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

125 kHz Proximity and 13.56 MHz Smart Card and Reader Plus Keypad
Part Number: MTK

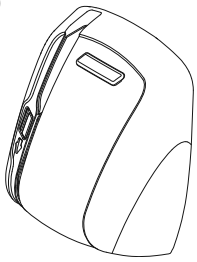
Works with:
AD-200, AD-300,
AD-400

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

Magnetic Stripe (Swipe)
Part Number: MS

Works with:
AD-200, AD-250,
AD-300, AD-400

Available Finishes:
605, 606, 612, 619, 625,
626,626AM, 643E



Magnetic Stripe (Swipe) Plus Keypad
Part Number: MSK

Works with:
AD-200, AD-250,
AD-300, AD-400

Available Finishes:
605, 606, 612, 619, 625,
626,626AM, 643E

Non-Functioning Dummy Trim Reader
Part Number: DT

Works with:
AD-993-DT

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

FIPS 13.56 MHz & 125 kHz Smart Card and Keypad
Part Number: FMK

Works with:
AD-301, AD-401

Available Finishes:
605, 606, 612, 619, 625,
626, 643E

Communication Module Kits

Communication Module Kits are used to convert a lock to AD-300 (hardwired) or AD-400 (wireless) function. They may also be used as replacement parts. When converting from one lock type to another, a firmware update may be required.

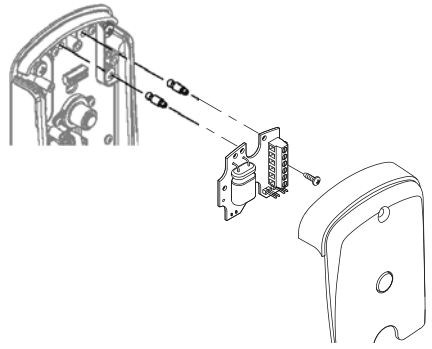
Compatibility:

Class	Type	Classroom/Storeroom (70)	Office (50)	Apartment (40)	Privacy (60)
AD-200/250	CY	COM200C	COM200P	COM200P	COM200P
AD-200/250	MS	COM200C	COM200P	COM200P	COM200P
AD-200/250	MD	COM200C	N/A	COM200L	COM20L
AD-200/250	993	COM200C	N/A	N/A	N/A
AD-300	CY	COM300L	COM300P	COM300P	COM300P
AD-300	MS	COM300L	COM300P	COM300P	COM300P
AD-300	MD	COM300L	N/A	COM300L	COM300L
AD-300	993	COM300L	N/A	N/A	N/A
AD-400	CY	COM400L	COM400P	COM400P	COM400P
AD-400	MS	COM400L	COM400P	COM400P	COM400P
AD-400	MD	COM400L	N/A	COM400L	COM400L
AD-400	993	COM400L	N/A	N/A	N/A

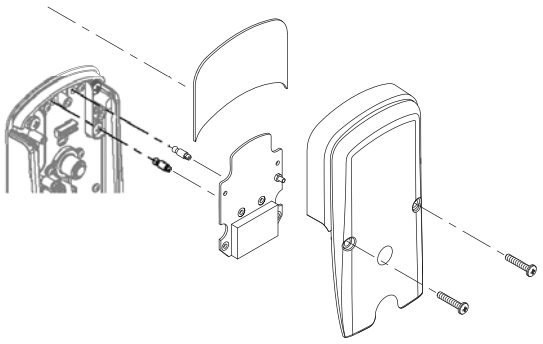
Kit Name		Contents	Kit Part Number
Wireless AD-400 Communication Kit*	Cover with IPB	Wireless Communication Module Cover with IPB	COM400P
		Communication Module Cover Screws	
		Wireless Communication Module	
		Communication Module Standoffs	
		Wireless Foil Gasket	
	Cover with Indicator	Wireless Communication Module Cover with Indicator	COM400L
		Wireless Communication Module	
		Communication Module Standoffs	
		Wireless Foil Gasket	
Hardwired AD-300 Communication Kit	with IPB	Communication Module Cover with IPB	COM300P
		Communication Module Cover Screws	
		RS-485 Communication Module	
		Communication Module Screw	
		Communication Module Standoffs	
	with Indicator	Communication Module Cover with Indicator	COM300L
		Communication Module Cover Screws	
		RS-485 Communication Module	
		Communication Module Screw	
		Communication Module Standoffs	

Must specify finish at time of order, especially when ordering separate
Must order Door Position Switch # 46929121 for proper operation unless a switch is already installed
* *AD-400-993-S requires spacer part # 46929238; see page 37.*

Hardwired AD-300 Communication Kit



Wireless AD-400 Communication Kit



Battery Holder Kits and WPR Charger Kit

Battery Holder Kits are used to convert from a four-battery holder kit to to an eight-battery holder kit, or vice versa. They may also be used as replacement parts.

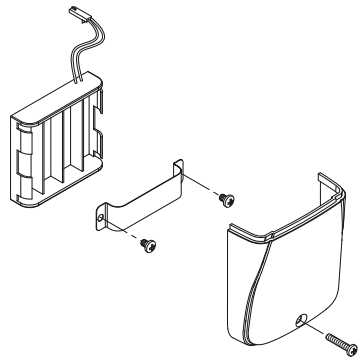
Compatibility:

Types	AD-200	AD-250	AD-300	AD-400
4C	X	X	X	X
4B	X	X		X
8B	X	X		X

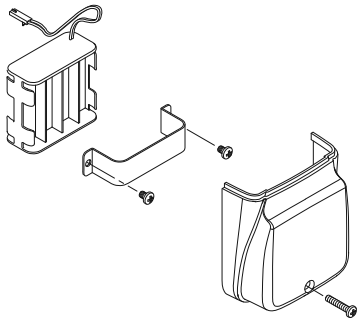
Kit Name	Contents	Kit Part Number
Four-Battery Holder Kit*	Four-Battery Holder	4B
	Battery Strap	
	Battery Holder Screws	
	Four-Battery Cover	
	Four-Battery Cover Screw	
Eight-Battery Holder Kit*	Eight-Battery Holder	8B
	Battery Strap	
	Battery Holder Screws	
	Eight-Battery Cover	
	Eight-Battery Cover Screw	
Eight-Battery Holder with Strap and Screws	Eight-Battery Holder	46929097
	Battery Strap	
	Battery Holder Screws	
Eight-Battery Cover with Screws	Eight-Battery Cover	8C
	Eight-Battery Cover Screw	
WPR Battery Charger Kit	WPR Battery Charger	24049421

* *Must specify finish when ordering separate*

Four-Battery Holder Kit



Eight-Battery Holder Kit



REX Switch Kits, Main PCB Kits, and Wiring Harness Replacement

These kits are used to replace an existing REX switch, Main PCB, or Wiring Harness as required. When replacing the Main PCB, a firmware update may be required. For information concerning updating firmware, download the Schlage Utility Software User Guide at www.schlage.com/support.

REX Compatibility:

Models	AD-200 / AD-250 / AD-300 / AD-400
Types	CY / MS / MD

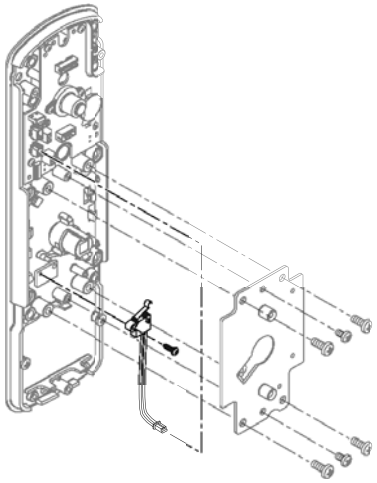
Main PCB and Wiring HarnessCompatibility:

Models	AD-0200 / AD-250 / AD-300 / AD-400
Types	CY / MS / MD / 993

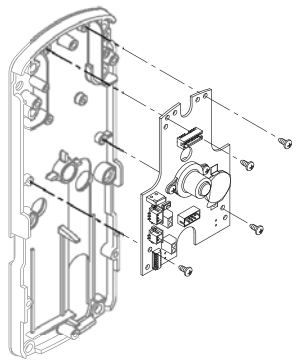
Name	Contents	Kit Part Number
REX Switch Kit (CY & MS)	REX Switch	46929139
	REX Switch Screw	
Main PCB Kit❖	Main PCB	46929048
	Main PCB Screws	
Wiring Harness	Wiring Harness CY and MS	46928727
	Wiring Harness 993	46928735
Adapter, Exit RX Pigtail		23536774
AD-300 & AD-400 REX Switch (Exit)		RX-LC

❖ *Must specify Device Class and Function*

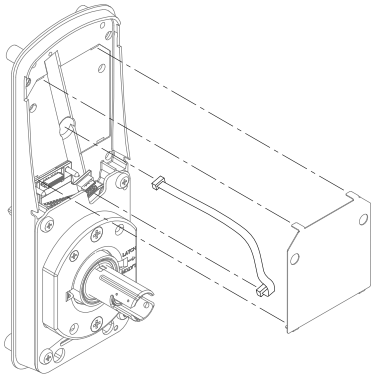
REX Switch



Main PCB



Wiring Harness (CY shown)



Ingersoll Rand Security Technologies

Door Thickness Kit

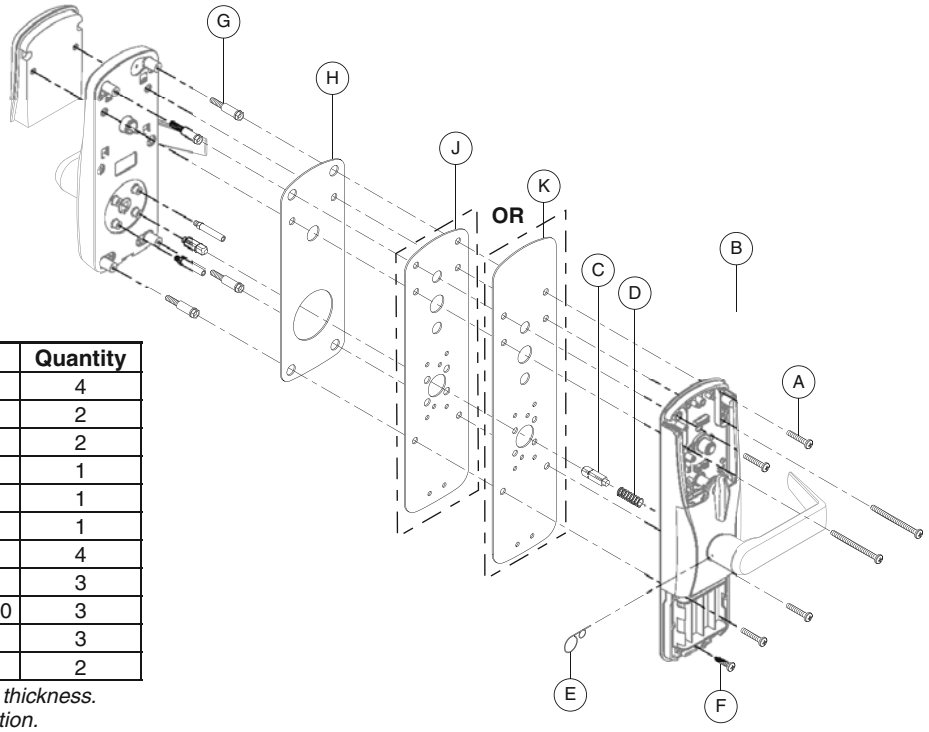
The Door Thickness Kit is used to install a lock on a door that is thicker or thinner than 1¾". Use the chart below to determine what is needed. This kit can also be used as replacement parts. Locks cannot be installed on doors thicker than 2¾" or thinner than 1⅜".

Compatibility:

Models	AD-200 / AD-250 / AD-300 / AD-400
Types	CY / MS / MD

Lock Type	Door Thickness	Kit Number	Contents (Item Letters)
CY	1⅜"	46929170-138	A, B, C, D, E, F, G, H, J, K
	1½"	46929170-112	A, B, C, D, E, F, G, H, J, K
	1⅝"	46929170-158	A, B, C, D, E, F, G, H, J, K
	1¾" (Standard)	46929170-134	A, B, C, D, E, F, G
	1⅞"	46929170-178	A, B, C, D, E, F, G
	2"	46929170-200	A, B, C, D, E, F, G
	2⅛"	46929170-218	A, B, C, D, E, F, G
	2¼"	46929170-214	A, B, C, D, E, F, G
	2⅜"	46929170-238	A, B, C, D, E, F, G
	2½"	46929170-212	A, B, C, D, E, F, G
	2⅝"	46929170-258	A, B, C, D, E, F, G
	2¾"	46929170-234	A, B, C, D, E, F, G

Lock Type	Door Thickness	Kit Number	Contents (Item Letters)
MS/MD	1⅜"	46929178-138	A, B, C, D, E, F, G, H, J, K, L
	1½"	46929178-112	A, B, C, D, E, F, G, H, J, K, L
	1⅝"	46929178-158	A, B, C, D, E, F, G, H, J, K, L
	1¾" (Standard)	46929178-134	A, B, C, D, E, F, G, L
	1⅞"	46929178-178	A, B, C, D, E, F, G, L
	2"	46929178-200	A, B, C, D, E, F, G, L
	2⅛"	46929178-218	A, B, C, D, E, F, G, L
	2¼"	46929178-214	A, B, C, D, E, F, G, L
	2⅜"	46929178-238	A, B, C, D, E, F, G, L
	2½"	46929178-212	A, B, C, D, E, F, G, L
	2⅝"	46929178-258	A, B, C, D, E, F, G, L
	2¾"	46929178-234	A, B, C, D, E, F, G, L



Item Letter	Description	Quantity
A*	Baseplate Mounting Bolts	4
B*	Reader Mounting Bolts	2
C*	Spindles	2
D	Spindle Spring	1
E	Pin Wrench	1
F	Fireplate Screw	1
G	Baseplate Stand-offs	4
H	Exterior Shim Plate	3
J	Interior Shim Plate for AD-200/300	3
K	Interior Shim Plate for AD-400	3
L	Mortise Stand-offs	2

* *The length of these items varies by door thickness. See charts on page 54 for more information.*

Exit Device Door Thickness Kits

This kit includes mounting hardware for the 993 series trims. When ordering this kit, exit trim type (993R, 993S, 993C, or 993M), door thickness, and trim finish specification is required.

Part Number	Kit Description	Contents	Specify Finish
46929287*	Mounting Hardware Kit, 993	(2) Upper Mounting Bolts	•
		(4) Lower Mounting Bolts	
		(2) Reader Mounting Bolts	

Thin Door Shims

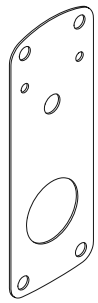
Thin Door Shims are used to install a lock on a door that is thinner than 1¾". These shims are sold individually.

Compatibility:

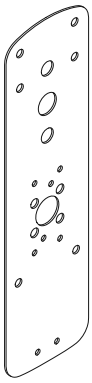
Models	AD-200 / AD-250 / AD-300 / AD-400
Types	CY / MS / MD

		Quantity of Shims Required		
Description	**Part Number**	**1⅜" Door**	**1½" Door**	**1⅝" Door**
Exterior Shim Plate	23458599	3	2	1
Interior Shim Plate - AD-200/250/300	23458607	3	2	1
Interior Shim Plate - AD-400	23458565	3	2	1

Exterior Shim Plate
23458599



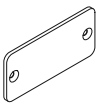
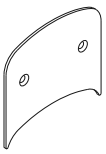
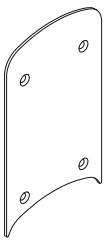
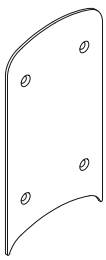
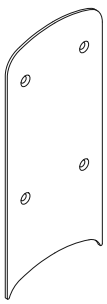
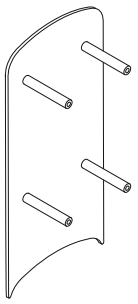
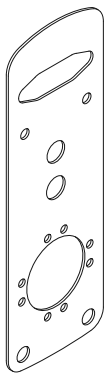
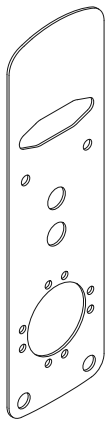
Interior Shim Plate - AD-200/250/300
23458607



Interior Shim Plate - AD-400
23458565

Decorative Plates

Decorative Plates are used to cover exposed holes when retrofitting from existing locks to AD-Series locks. The size of plate required will vary based on the size and location of holes being covered. Retrofit information can be found at www.schlage.com/support.

Part Number	23631823	23760267	23760283	23760317	23760325	23760309	23760291	23760259	23760275
Description	Exit Trim Deco Plates	1.7" Decorative Plate	3.2" Decorative Plate	6" Decorative Plate	6.6" Decorative Plate	8" Decorative Plate	8" Decorative Plate	10.5" Decorative Plate	12" Decorative Plate
									

Note: If UD (under the lock) plates are on both sides of device, then door will become ⅛" thicker. A Door Thickness Kit of an incremental ⅛" must be ordered to accomodate under the lock plates. See page 45 for Door Thickness Kits.
Example order: For AD 10.5" Decorative Plate with a 626 Finish, order would be: 23760259-626

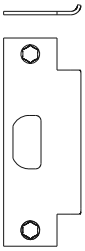
Ingersoll Rand
Security Technologies

Strike Plates

10-025
ANSI, No box

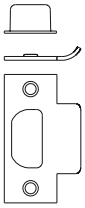
Size:
1¼" x 4⅞"
Lip Length:
1⅜", 1⅜"

Available Finishes:
605, 606, 612, 619,
625, 626, 643E



10-013
Square Corner, T Strike with box
Size:
1⅛" x 2¾"
Lip Length:
1⅛", 1½"

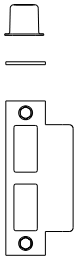
Available Finishes:
605, 606, 612, 619,
625, 626, 643E



10-072
Square Corner, Box
Size:
1¼" x 4⅞"

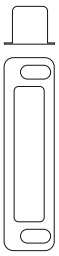
Lip Length:
1⅜", ⅞", 1", 1½", 1¾", 2"

Available Finishes:
605, 606, 612, 619,
625, 626, 643E



K510-066
Plastic Box for ANSI Strike

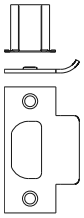
Available Finishes: N/A



10-016
Square Corner, T Strike with Deep Box, Fire Latch Door

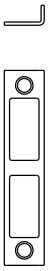
Lip Length:
1⅛"

Available Finishes:
605, 606, 612, 619,
625, 626, 643E



10-075**
½" Rabbeted

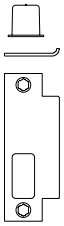
Available Finishes:
605, 606, 612, 619,
625, 626, 643E



XL11-820*
One Hole for Latching Functions, RH and LHR Door

Lip Length:
1⅜"

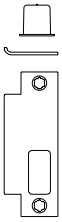
Available Finishes:
605, 606, 612, 619,
625, 626, 643E



XL11-821*
One Hole for Latching Functions, LH and RHR Door

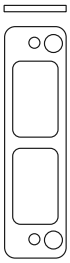
Lip Length:
1⅜"

Available Finishes:
605, 606, 612, 619,
625, 626, 643E



37-015
Frame Reinforcer

Available Finishes:
605, 606, 612, 619,
625, 626, 643E

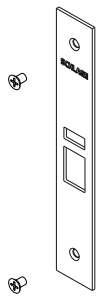


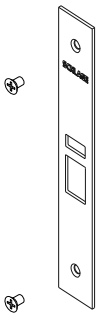
* *Extended leadtime; consult Customer Service*

Mortise Lock Armor Fronts

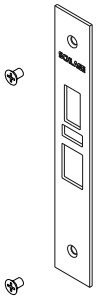
Available finishes are 605, 606, 612, 619, 625, and 626.

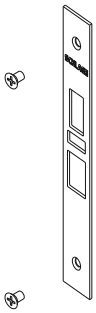
1¼" Wide	1⅛" Wide	Description
09-663	09-669	Latch and Auxiliary Latch





1¼" Wide	1⅛" Wide	Description
09-666	09-672	Latch, Auxiliary Latch, and Deadbolt

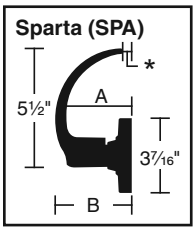
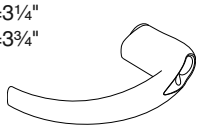
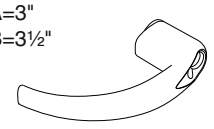
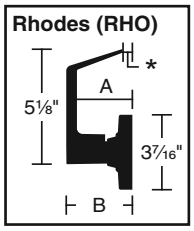
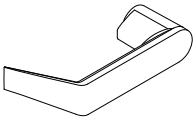
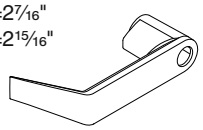
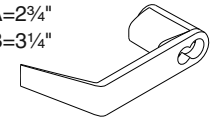
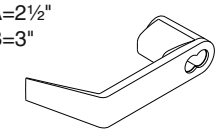
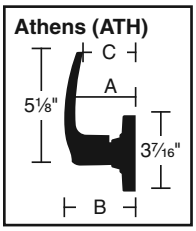
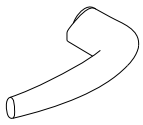
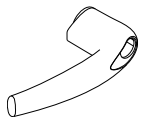
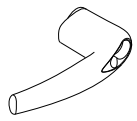
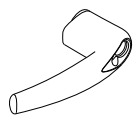
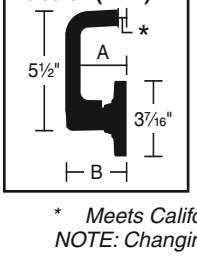
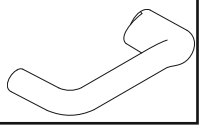
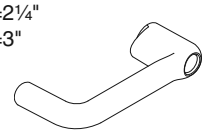
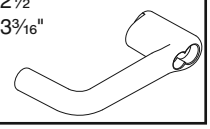
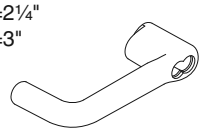




** *For 1¾" thick doors, use wide armor front. For over 1¾" thick door extended equally (EE), use 1¼" wide armor front*

Levers

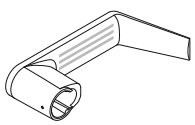
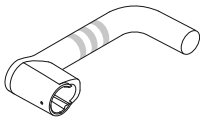
Levers shown below can accommodate Schlage and Falcon cylinders. Levers to accommodate additional competitor cylinders listed on page 52. All lever designs are available in finishes 605, 606, 612, 619, 625, 626, 643E and 626AM.

	Interior Levers	Exterior Levers		
	Closed	**Key In Lever**	**Interchangeable Core**	
	(No Cylinder)	Full Size 6 Pin (Schlage & Falcon Cylinders)	FSIC 6 Pin (Schlage Cylinders)	SFIC 6 & 7 Pin (Schlage, Falcon, BEST, Corbin Russwin, Yale, Medeco Cylinders)
Sparta (SPA) 	03-030 SPA A=3" B=3½"	CY: 03-031 SPA 993: 03-331 SPA MS/MD: 09-331 SPA A=3" B=3½"	CY: 03-032 SPA 993: 03-332 SPA MS/MD: 09-332 SPA A=3¼" B=3¾" 	CY: 03-000 SPA 993: 03-300 SPA MS/MD: 03-000 SPA A=3" B=3½" 
Rhodes (RHO) 	03-030 RHO A=2⁷⁄₁₆" B=2¹⁵⁄₁₆" 	CY: 03-031 RHO 993: 03-331 RHO MS/MD: 09-331 RHO A=2⁷⁄₁₆" B=2¹⁵⁄₁₆" 	CY: 03-032 RHO 993: 03-332 RHO MS/MD: 09-332 RHO A=2¾" B=3¼" 	CY: 03-000 RHO 993: 03-300 RHO MS/MD: 03-000 RHO A=2½" B=3" 
Athens (ATH) 	03-030 ATH A=2¾" B=3⁵⁄₁₆" C=2½" 	CY/993: 03-031 ATH MS/MD: 09-331 ATH A=2¾" B=3⁵⁄₁₆" C=2½" 	CY/993: 03-032 ATH MS/MD: 09-332 ATH A=3" B=3½" C=2¹¹⁄₁₆" 	CY/993: 03-000 ATH MS/MD: 03-000 ATH A=2⅞" B=3⅜" C=2½" 
Tubular (TLR) 	03-030 TLR A=2¼" B=3" 	CY: 03-031 TLR 993: 03-331 TLR MS/MD: 09-331 TLR A=2¼" B=3" 	CY: 03-032 TLR 993: 03-332 TLR MS/MD: 09-332 TLR A=2½" B=3⅜₁₆" 	CY: 03-000 TLR 993: 03-300 TLR MS/MD: 03-000 TLR A=2¼" B=3" 

* *Meets California Fire Code for ½" or less return to the door*

NOTE: Changing Lever Cylinder Compatibility on a device typically requires replacement of existing spring cage and tailpiece

Tactile Warning

Rhodes lever shown	Tubular lever shown	Preface Design Code for Tactile Warning Levers			
		Athens	**Rhodes**	**Sparta**	**Tubular**
		8AT	8RH	8SP	8TR

Ingersoll Rand Security Technologies

Levers continued

Levers for use with Competitor Cylinders

Competitor lever designs come in finishes 626 standard, and 605, 606, 612, 619, 625, 643e, and 626 AM with extended lead-times.

Cylinder	Order Suffix	Cylinder Type	Lever Design-Part Numbers			
			Sparta	Rhodes	Athens	Tubular
	LD SAR	Full Size 6 Pin (Sargent Cylinders)	CY: 03-044-SPA MS/MD: 09-344-SPA 993: 03-344-SPA	CY: 03-044-RHO MS/MD: 09-344-RHO 993: 03-344-RHO	CY: 03-044-ATH MS/MD: 09-344-ATH	CY: 03-044-TLR MS/MD: 09-344-TLR 993: 03-344-TLR
	JD SAR	FSIC 6 Pin (Sargent Cylinders)	CY: 03-077-SPA MS/MD: 09-377-SPA 993: 03-377-SPA	CY: 03-077-RHO MS/MD: 09-377-RHO 993: 03-377-RHO	CY: 03-077-ATH MS/MD: 09-377-ATH	CY: 03-077-TLR MS/MD: 09-377-TLR 993: 03-377-TLR
	JD CO6	FSIC 6 Pin (Corbin Russwin Cylinders)	CY: 03-066-SPA MS/MD: 09-366-SPA 993: 03-366-SPA	CY: 03-066-RHO MS/MD: 09-366-RHO 993: 03-366-RHO	CY: 03-066-ATH MS/MD: 09-366-ATH	CY: 03-066-TLR MS/MD: 09-366-TLR 993: 03-366-TLR
	JD CO7	FSIC 7 Pin (Corbin Russwin Cylinders)	CY: 23854540 MS/MD: 09-366-SPA 993: 03-366-SPA	CY: 23854524 MS/MD: 09-366-RHO 993: 03-366-RHO	N/A	N/A
	*JD YA6	FSIC 6 Pin (Yale/*Medeco Cylinders)	CY: 23794225-SPA MS/MD: 09-355-SPA 993: 03-355-SPA	CY: 23794225-RHO MS/MD: 09-355-RHO 993: 03-355-RHO	CY: 23794225-ATH MS/MD: 09-355-ATH	CY: 23794225-TLR MS/MD: 09-355-TLR 993: 03-355-TLR

* *Accepts Medeco retrofit cylinder for Yale, Medeco p/n 31-0100 FSIC type*

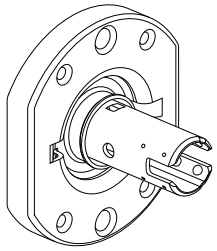
Spring Cages

	Order Suffix	Cylinder Type	AD Product Type			
			CY	MS/MD	993 (Except ATH)	993 (ATH)
Outside	PD/LD	Full Size 6 Pin (Schlage & Falcon Cylinders)	46928552	46928602	46928651	46929457
	RD/JD	FSIC 6 Pin (Schlage Cylinders)	46928552	46928610	46928651	46929457
	GD/BD	SFIC 6 & 7 Pin (Schlage, Falcon, BEST, Corbin Russwin, Yale, Medeco Cylinders)	46928560	46928560	46928669	46929458
	LD SAR	Full Size 6 Pin (Sargent Cylinders)	46928578	46928628	46928677	46929459
	JD SAR	FSIC 6 Pin (Sargent Cylinders)	46928586	46928636	46928685	46929460
	JD CO6	FSIC 6 Pin (Corbin Russwin Cylinders)	46928586	46928636	46928693	46929460
	JD CO7	FSIC 7 Pin (Corbin Russwin Cylinders)	23990674	23988033	23988017	N/A
	*JD YA6	FSIC 6 Pin (Yale/*Medeco Cylinders)	46928594	46928644	46928701	46929461
Inside	All	N/A	46929006	46929006	N/A	N/A

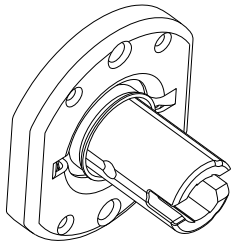
* *Accepts Medeco retrofit cylinder for Yale, Medeco p/n 31-0100 FSIC type*

Examples of Spring Cages

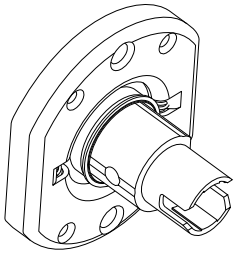
46928552
Cylindrical



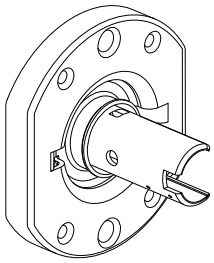
46928602
Mortise



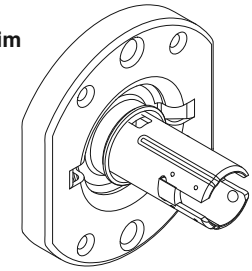
46928610
Mortise



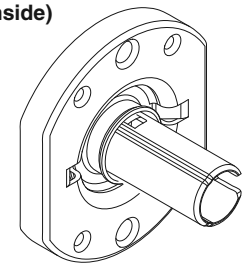
46928560
Cylindrical &
Mortise



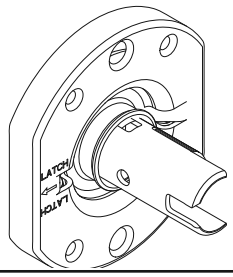
46928651
993 Exit Trim



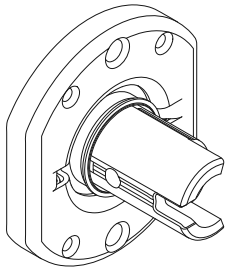
46929006 (Inside)



23990674
Cylindrical



23988033
Mortise



Tailpieces

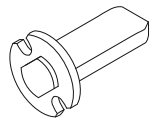
Single Tailpieces

Order Suffix	Cylinder Type	AD Product Type		
		CY & 993 (ATH)	MS/MD	993 (Expt ATH)
PD	Full Size 6 Pin (Schlage & Falcon Cylinders)	C604-243***	23538077***	23538077***
		C603-524***	23538085***	23538085***
LD	Less Full Size 6 Pin (Schlage & Falcon Cylinders)	C604-243***	23538077***	23538077***
		C603-524***	23538085***	23538085***
RD	FSIC 6 Pin (Schlage Cylinders)	23446339	23446339	23446339
JD	Less FSIC 6 Pin (Schlage Cylinders)	23446339	23446339	23446339
GD	SFIC 6 & 7 Pin (Schlage, Falcon, BEST, Corbin Russwin, Yale, Medeco Cylinders)	N523-091	N523-091	N523-091
BD	Less SFIC 6 & 7 Pin (Schlage, Falcon, BEST, Corbin Russwin, Yale, Medeco Cylinders)	46929456**	46929456**	09-774
LD SAR	Full Size 6 Pin (Sargent Cylinders)	23433626	23443427	23443427
JD SAR	FSIC 6 Pin (Sargent Cylinders)	23433634	23443435	23443435
JD CO6	FSIC 6 Pin (Corbin Russwin Cylinders)	23433634	23443435	23443435
JD CO7	FSIC 7 Pin (Corbin Russwin Cylinders)	23854516	23854516	23854516
JD YA6	FSIC 6 PIn (Yale/*Medeco Cylinders)	23759863	23760366	23760366

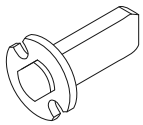
* *Accepts Medeco retrofit cylinder for Yale, Medeco p/n 31-0100 FSIC type*
** *Includes part numbers 23446347, D500-00, and P515-159*
*** *Schlage Cylinders shipped from factory after August 2010 use Everest Tailpiece only for Classic & Everest Cylinders*

Examples of Single Tailpieces

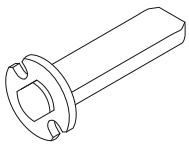
C603-524



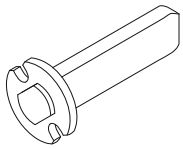
C604-243



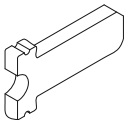
23538077



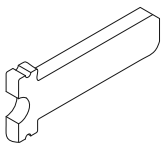
23538085



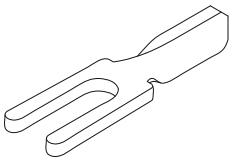
23433626



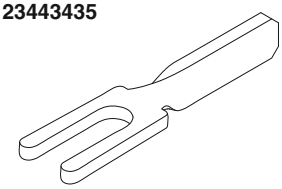
23443427



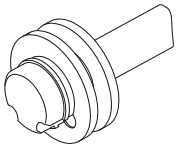
23433634



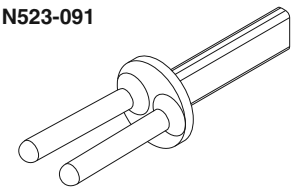
23443435



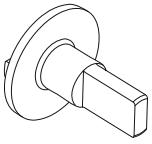
23446339



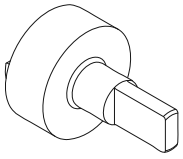
N523-091



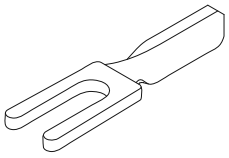
23759863



23760366



23853516



Spring Cage and Tailpieces Kits

Order Suffix	Cylinder Type	Quantity in Package	AD Product Type			
			CY	MS/MD	993 (Except ATH)	993 (ATH)
PD/LD	Full Size 6 Pin (Schlage & Falcon Cylinders)	10	23593270	23593346	23593403	23593486
RD/JD	FSIC 6 Pin (Schlage Cylinders)	10	23593288	23593353	23593411	23593494
GD/BD	SFIC 6 & 7 Pin (Schlage, Falcon, BEST, Corbin Russwin, Yale, Medeco Cylinders)	10	23593304	23593304	23593437	23593510
LD SAR	Full Size 6 Pin (Sargent Cylinders)	1	23593312	23593379	23593445	23593536
JD SAR	FSIC 6 Pin (Sargent Cylinders)	1	23593320	23593387	23593452	23593544
JD CO6	FSIC 6 Pin (Corbin Russwin Cylinders)	1	23593320	23593387	23593460	23593544
JD CO7	FSIC 7 Pin (Corbin Russwin Cylinders)	1	23990666	23988041	23988025	N/A
*JD YA6	FSIC 6 Pin (Yale/*Medeco Cylinders)	1	23593338	23593395	23593478	23593551

* *Accepts Medeco retrofit cylinder for Yale, Medeco p/n 31-0100 FSIC type*

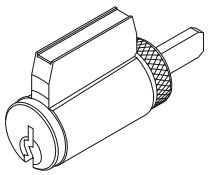
Cylinders

Chassis	Cylinder Suffix*	Classic	Everest	Primus	Primus XP	Primus UL 437	Primus UL 437 XP
Cylindrical	PD	23-013	23-013-EV	20-750	20-750-XP	20-550	20-550-XP
	RD	23-030	23-030-EV	20-740	20-740-XP		
Mortise	PD	23-118	23-118-EV	20-854	20-854-XP	20-554	20-554-XP
	RD	23-030	23-030-EV	20-740	20-740-XP		
Exit	PD (All Except ATH, 8AT)	23-118	23-118-EV	20-854	20-854-XP	20-554	20-554-XP
	PD (ATH, 8AT)	23-013	23-013-EV	20-750	20-750-XP	20-550	20-550-XP
	RD	23-030	23-030-EV	20-740	20-740-XP		
All	GD		80-037				

* *Definitions available on page 50*

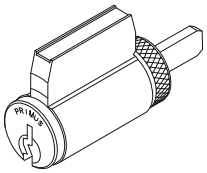
Classic, Everest
PD

23-013
23-013-EV
23-118
23-118-EV



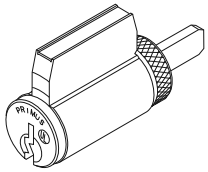
Primus, Primus XP
PD

20-750
20-750-XP
20-854
20-854-XP



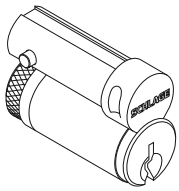
Primus UL 437, Primus UL, 437 XP
PD

20-550
20-550-XP
20-554
20-554-XP



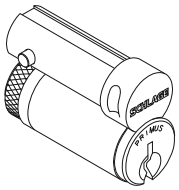
Classic, Everest
RD

23-030
23-030-EV



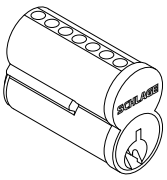
Primus, Primus XP
RD

20-740
20-740-XP



Everest
GD

80-037



Ingersoll Rand
Security Technologies

Cover Screw Packs

Torx® Screw Packs are used to replace standard screws to provide increased security. Standard screw packs shipped with the product include only Phillips head screws.

Part Number	Kit Description	Contents
23538812*	Torx Screw Pack, CY	(4) Flat Head Torx Screws, #8-32 (T-15), ½" length
		(2) Flat Head Torx Screws, #12-24 (T-20), ½" length
		(2) Torx Screws, #8-32 x ¾" MS Pin
		(1) Torx Screw, #8-32 x 1" MS Pin
		(2) Torx Screws, #8-32 x ⅞" MS Pin
23538820*	Torx Screw Pack, MS/MD	(2) Flat Head Torx Screws, #8-32 (T-15), ¼" length
		(2) Flat Head Torx Screws, #12-24 (T-20), ½" length
		(2) Torx Screws, #8-32 x ¾" MS Pin
		(1) Torx Screw, #8-32 x 1" MS Pin
		(2) Torx Screws, #8-32 x ⅞" MS Pin
23538838*	Torx Screw Pack, 993	(2) Oval Head Torx Screws, #10-24 x 1"
		(2) Oval Head Torx Screws, #10-24 x 1¼"
		(2) Oval Head Torx Screws, #10-24 x 1½"
		(2) Oval Head Torx Screws, #10-24 x 1¾"
		(2) Oval Head Torx Screws, #10-24 x 2"
		(2) Torx Screws, #8-32 x ¾" MS Pin
		(2) Torx Screws, #8-32 x 1" MS Pin
		(2) Torx Screws, #8-32 x ⅞" MS Pin
46928966*	Cover Screws Kit	(2) Screws, Wireless Communication Cover
		(1) Screw, Offline/Hardwired Communication Cover
		(1) Screw, 4-Battery Cover
		(1) Screw, 8-Battery Cover

* *Must specify Finish*

Mounting Screw and Spindle Details for CY, MS, and MD

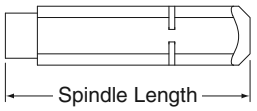
The charts below show the details of items that vary by door thickness. These parts are not sold individually. They can be purchased within the Door Thickness Kits which are shown on page 45.

Item	Baseplate Mounting Screws Type and Length	Door Thickness											
		1⅜"	1½"	1⅝"	1¾"	1⅞"	2"	2⅛"	2¼"	2⅜"	2½"	2⅝"	2¾"
A	#10-24 x 1⅛" Pan Head Phillips Machine Screw	x	x	x	x								
	#10-24 x 1⅜" Pan Head Phillips Machine Screw					x	x						
	#10-24 x 1⅝" Pan Head Phillips Machine Screw							x	x				
	#10-24 x 1⅞" Pan Head Phillips Machine Screw									x	x		
	#10-24 x 2⅛" Pan Head Phillips Machine Screw											x	x

Item	Reader Mounting Screws Type and Length	Door Thickness											
		1⅜"	1½"	1⅝"	1¾"	1⅞"	2"	2⅛"	2¼"	2⅜"	2½"	2⅝"	2¾"
B	#10-24 x 2¾" Pan Head Phillips Machine Screw	x	x	x	x								
	#10-24 x 2⅞" Pan Head Phillips Machine Screw					x							
	#10-24 x 3" Pan Head Phillips Machine Screw						x						
	#10-24 x 3⅛" Pan Head Phillips Machine Screw							x					
	#10-24 x 3¼" Pan Head Phillips Machine Screw								x				
	#10-24 x 3⅜" Pan Head Phillips Machine Screw									x			
	#10-24 x 3½" Pan Head Phillips Machine Screw										x		
	#10-24 x 3⅝" Pan Head Phillips Machine Screw											x	
	#10-24 x 3¾" Pan Head Phillips Machine Screw												x

Item	Spindle Type and Length	Door Thickness											
		1⅜"	1½"	1⅝"	1¾"	1⅞"	2"	2⅛"	2¼"	2⅜"	2½"	2⅝"	2¾"
C	CY Spindle 1.30"	x	x	x	x	x	x						
	CY Spindle 1.50"							x	x	x			
	CY Spindle 1.70"										x	x	x
	MS/MD Spindle 1.65"	x	x	x	x	x	x						
	MS/MD Spindle 1.84"							x	x	x			
	MS/MD Spindle 2.02"										x	x	x

Spindle for CY/MS/MD



Ordering Procedures

How to Order:

REQUIRED FIELDS												FACTORY DEFAULT AND OPTIONS						
AD–	400	– CY	– 70	– MG	– SPA	– 626	– PD	– C123	– RH	– 4B	– 13-049	– 10-025	– 1-3/4	– ___				

1. Series

2. Class
   - 200 Rights on Lock
   - 250 Rights on Magnetic Card
   - 300 Networked Hardwired
   - 400 Networked Wireless

3. Chasis:
   - CY Cylindrical
   - MS Mortise
   - MD Mortise Deadbolt
   - 993R Exit Trim – Rim/CVR
   - 993S Exit Trim – SVR
   - 993M Exit Trim – Mortise

4. Function:
   - 70 Classroom/Storeroom
   - 50 Office
   - 40 Privacy
   - 60 Apartment

5. Reader:
   - KP Keypad
   - MGK Magnetic Stripe + Keypad
   - MG Magnetic Stripe
   - PRK Proximity + Keypad
   - PR Proximity
   - SMK Smart Card + Keypad
   - SM Smart Card
   - MTK Multi-Technology + Keypad
   - MT Multi-Technology

6. Lever:*
   - SPA Sparta (Standard)
   - RHO Rhodes
   - ATH Athens
   - TLR Tubular

* Tactile warning, use prefix 8. Example 8SPA

7. Finish:
   - 626 Satin Chrome (Standard)
   - 605 Bright Brass
   - 606 Satin Brass
   - 612 Satin Bronze
   - 619 Satin Nickel
   - 625 Bright Chrome
   - 643e Aged Bronze
   - 626AM Satin Chrome (Antimicrobial Coating)

8. Cylinder Type:
   - PD 6-pin Full Cylinder (For options see individual Class/Chassis page)

9. Keyway Type:
   - C123 Everest (For options see individual Class/Chassis page)

10. Handing:
    - RH Right Handed
    - LH Left Handed
    - RHR Right Handed Reverse
    - LHR Left Handed Reverse

11. Battery Holder:
    - 4AA (Standard)
    - 8AA, 4B, 8B

12. Backset and Latch or Armor Front:
    - 13-049 2-3/4" Backset, Deadlatch, Square Corner, 1-1/8" x 2-1/4" (Standard)
    - For options see individual Class/Chassis page

13. Strike:
    - 10-025 1-3/16" Lip, ANSI, no box, 1-1/4" x 4-7/8" (Standard)
    - For options see individual Class/Chassis page

14. Door Thickness:
    - 1-3/4" (Standard)
    - For options see individual Class/Chassis page

15. Options

Pricing/product description subject to change without notice

Terms and Conditions

INGERSOLL-RAND COMPANY, SECURITY TECHNOLOGIES SECTOR, GENERAL TERMS AND CONDITIONS OF SALE AND SERVICE

1. **GENERAL.** (a) This Agreement contains the terms and conditions by which Company will quote and sell its Products and Services to Customer. (b) The terms "purchase order" or "order" for the purposes of this Agreement include the term "request for quotation," as appropriate. (c) This Agreement supersedes all *pre-printed* and boilerplate terms and conditions set forth in any purchase order issued by Customer. (d) No reference herein to Customer's purchase order will in any way *incorporate different or additional terms and conditions* which are hereby objected to. (e) ANY ACCEPTANCE BY COMPANY OF CUSTOMER'S PURCHASE ORDER IS EXPRESSLY CONDITIONED ON THE CUSTOMER'S ASSENT TO AND ACCEPTANCE OF THE TERMS AND CONDITIONS CONTAINED IN THIS AGREEMENT. (f) In the event of a *conflict* between this Agreement and a purchase order issued by Customer, the terms of this Agreement will prevail. In the event of a *conflict* between this Agreement and any specific Product or Service terms and conditions, the specific Product or Service terms and conditions will prevail.

2. **SCOPE OF PRODUCTS AND SERVICES AND ORDERS.** (a) **Scope of Products and Services.** The scope of the Products and Services (including, but not limited to location) are (i) attached to this Agreement, (ii) separately furnished by Company to Customer, or (iii) subject to Section 1 herein, contained in an order submitted by Customer. Non-standard finishes and special items may be available. Contact Company for such availability. All Products that come in "kits" cannot be sold as individual pieces. See the specific product terms and conditions for exceptions. (b) **Orders.** All orders submitted by Customer must be in written form acceptable to Company. (c) **Receipt of an Order.** Company will acknowledge receipt of each order issued in accordance with this Agreement and will notify Customer whether such order has been accepted or rejected, in whole or in part, by Company. If Company fails to acknowledge receipt of an order, within a reasonable time period, such failure to acknowledge receipt will be deemed a rejection of the entire order. (d) **Changes to Orders or Cancellation of Orders.** Change order request and Cancellations can be by phone, fax, or email. Changes and Cancellations are allowed without penalty if made within 48 hours of order receipt if the order has not shipped. Some exceptions do apply -please consult the factory. After 48 hours, all changes or cancellations are subject to a charge of 25% of the net product or service value plus the cost of any fabrication or raw materials that have been purchased for the order. Unless otherwise specified by Company in writing, any changes to orders acknowledged by Company that affect the delivery date will be deemed a new order and will require acknowledgement by Company as provided in this Section 2.

3. **PRICES AND PAYMENT.** (a) **Prices.** The prices specified by Company are subject to change, without notice, to Company's prices in effect at the time of each shipment of Products or performance of Services. Additional charges may be applied for product modification or engineering services. Oral prices specified by Company are null and void. (b) **Invoices.** Company will submit invoices to Customer stating amounts due. (c) **Payment Terms.** Payment terms are 2% cash discount 20 days, net 35 days from date of invoice. Payment will be made in United States dollars. (d) **Credit Terms.** All orders are subject to Company's credit limit and terms of credit required by Company or contained in Company's credit application, which is subject to change by Company at any time either before or after delivery of any part of the order. Company reserves the right to request payment in advance of shipment or any order or to request adequate assurances for Customer's payment of an order and may withhold or stop shipment, without any liability to Company, until Customer submits payment or assurance of payment, as required by Company. (e) **Default.** If Customer is in default in payment or otherwise with respect to any order for Products or Services or any other contract with Company, Company shall have the right, in addition to all other legal remedies and without prejudice to any of its right hereunder, to defer further shipments until such default is corrected and to declare all outstanding bills of Customer to be immediately due and payable. (f) **Taxes.** Any taxes, charges, or duties imposed by any governmental authority on the sale of Products or Services will be paid by Customer, in addition to the selling price specified by Company. (g) **Late Payment Charge.** A late payment charge of 1.5% per month equivalent to 18% per annum will be charged on past due balances owed Company. Provided however, that in the event that applicable governmental law sets a maximum rate for late payment fees which is less than 18% per annum, then the late payment charge assessed will be set at the maximum rate permitted by law.

4. **INSPECTION, DELIVERY, SHIPPING, FREIGHT CHARGES, CLAIMS, AND PACKING**. (a) **Inspection.** Inspection of Products and Services will be done by Customer immediately after receipt of Products or completion of Services. Inspection of Products or Services by Customer at Company's facility is not permitted. (b) **Delivery.** Product delivery schedules are based upon current production capacities, material or component availability, and inventory, and may be changed by Company as conditions require. Service delivery schedules are based upon prompt receipt of, and prompt access to, Customer's equipment and all information necessary to complete the Services. In no event will Product or Service delivery dates be construed as falling within the meaning of "time is of the essence." Partial delivery shall be accepted by Customer and paid for at the price and on the terms stated herein. Any partial delivery of Products or Services, shall constitute a separate sale and payment shall be separately made when due. If any part of the Products or Services are not delivered by Company in accordance with Customer's order, this Agreement shall not be affected thereby. (c) **Shipping.** Unless otherwise specified by Company, (i) where the Customer is located in the United States, all Products will be sold "Uniform Commercial Code, F.O.B. Origin, Company's factory"; and (ii) where the Customer is located outside of the United States, all Products will be sold " Ex-works, Company's factory (Incoterms 2000)." In either instance, title and risk of loss will pass to Customer upon delivery to the carrier at Company's factory. Provided however, a security interest will remain in the Products, regardless of mode of attachment to realty or other property, until full payment has been made therefore, and Customer agrees, upon request, to do all things and acts necessary to protect Company's interest by adequately insuring the Products against loss from damage from any cause and to have Company named as an additional insured. Copies of all Certificates of Insurance will be provided to Company upon request. Customer will also assist Company in providing all necessary documents or signatures required to file any documents to perfect Company's interest in such Products. (d) **Freight Charges.** The full cost of freight, via a carrier of our choice, will be allowed (and prepaid) on shipments of the net dollar amount or more indicated in the chart below within the United States of America, excluding all territories.

Brand	Net Dollar Amount
Schlage Mechanical	$7,000
Schlage Electronic Security (excluding Biometrics)	$7,000
Schlage Biometrics	Refer to separate freight terms
Von Duprin	$7,000
LCN	$7,000
IR FASTRACK	$7,000
Falcon Locks	$5,000
Falcon Exits	$5,000
Falcon Closers	$5,000
Falcon FASTRACK	$5,000
Ives & Glynn-Johnson	$1,000
Steelcraft	Refer to separate freight terms

On shipments of the net dollar amount or more to all foreign countries and US territories, freight will be allowed (and prepaid) to the Port of Embarkation. Shipments under the net dollar amount will be prepaid by Ingersoll Rand and 3.0% of the net invoice amount or $10, whichever is greater, will be added to the invoice. All expedited methods of shipment, such as 'next day air', will be prepaid by Ingersoll Rand but the entire shipping costs will be added to the invoice. Ingersoll Rand will ship as requested, freight collect, if the customer is willing to bear the entire expense and so indicates on the order. Once received by IR, a purchase order cannot be combined with another purchase order to qualify for freight allowed. In addition the customer may not combine any of the brands or product categories listed above on a single purchase order to qualify for freight allowed, except in the case of FASTRACK. IR FASTRACK may not be combined with Falcon FASTRACK to qualify for freight allowed. (e) **Claims.** All claims for loss or damage to Products while in the care, custody, and/or control of a carrier will be the responsibility of Customer, who will submit any claims. (f) **Packing.** Company will pack, mark, and ship the Products according to its standard procedures for shipment, unless the parties agree, in writing, that Company will comply with any special instructions provided by Customer. Compliance with special instructions may result in an increased price.

5. **CLAIMS.** Claims due to shortages, errors, omissions, damaged goods, or defective material must be submitted within 30 days from the date of the invoice.

6. **PRODUCT CHANGES.** Company reserves the right to change without notice the design of, or the process of manufacturing, the Products covered by this Agreement; provided that the foregoing will not be construed as relieving Company from its obligation to deliver Products which conform to the specifications which Company may have furnished to Customer.

7. **PRODUCT RETURNS.** Purchased material can only be returned to the factory by obtaining Return Material Authorization (RMA) and must be returned to Company within 90 days of issuance of the RMA. Returned material must be new, unused, non-obsolete, and non-specially manufactured and been in Customer's inventory no more than 180 days from the date of shipment by Company. The RMA number, the original invoice number, and the reason for the return must be included in the return. If the company approves the return, a credit will be issued to the Customer's account less freight and a handling charge of 35% of the net material on the original invoice. Handling charges may vary depending on the condition of the return. The amount of final credit will be determined upon receipt at the factory and analyzing the condition of the material. Factory retains the right to deny credit to anyone for any reason.

8. **TECHNICAL INFORMATION AND ADVICE.** (a) All designs, data, and specifications provided by Company are proprietary and will not be disclosed or reused by Customer without the prior written consent of Company. (b) Company assumes no obligation or liability for any advice given by Company, the results obtained, or damages incurred, and all such advice is given and accepted at Customer's risk.

9. **LIMITED WARRANTY.** (a) Company's Standard Limited Warranty(ies) relating to *Products or Services* are applicable to this Agreement. The limited warranty(ies) are (i) attached to this Agreement; (ii) separately identified in the specific Product Price Book; or (iii) separately furnished by Company to Customer. (b) (i) In the event that certain Product warranties are not attached to this Agreement or separately furnished, Company warrants only to Customer that Products will be free from defects in material and workmanship for a period of 12 months from the date of shipment of the Products. CO-Series locks, AD-Series locks, AD-Series Reader Modules, WPR400, WRI400, WSM400, TK400, CT5000, PIM400, PIM401, PIB300, and PIB301 will be warranted for a period of 12 months from the date of installation, not to exceed 24 months from the date of shipment from the factory. Company's sole obligation under this warranty is limited to repairing or replacing, at its option, the defective Products. (ii) The provisions of this limited Product warranty do not apply to Products: (A) used for the purposes for which they are not designed or intended; (B) which have been repaired or altered without Company's prior written consent; (C) which have been subjected to misuse, abuse, negligence, or accident; (D) which have been improperly stored, installed, maintained, or operated; (E) which have been used in violation of written instructions provided by Company to Customer; (F) which have subjected to improper temperature, humidity, or other

Terms and Conditions continued

environmental conditions; (G) which have been affected by normal wear and tear; or (H) which, based on Company's examination, do not disclose to Company's satisfaction nonconformance to the warranty. (c) (i) In the event that certain Service warranties are not attached to this Agreement or separately furnished, Company warrants only to Customer that the Services will be free from defects in material and workmanship for a period of 6 months from the date of completion of the particular items of Service. Company's sole obligation under this warranty is limited to repairing or reperformance, at its option, of the Service; provided however, if repair or reperformance is either impractical or impossible, the Company will refund to Customer that portion of the price paid to the Company for the defective item of Service. This warranty only applies if the company is given written notice of the defect or nonconformance by the Customer within 30 days of discovery. (ii) The provisions of this limited Service warranty does not apply to any defects or issues with the design or performance of equipment or products not manufactured by Company, nor does it apply to any code compliance or permit requirements for the assembly, installation, erection, or construction of any goods. (d) **NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE WITH RESPECT TO THE PRODUCTS OR SERVICES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** (e) The following costs and expenses are not covered by the provisions of these limited warranties: (i) labor costs for the removal and reinstallation of Products or other manufacturer's products; (ii) shipping and freight expenses required to return Products to Company; (iii) normal maintenance; and (iv) economic losses. In addition, the provisions of this warranty are not applicable to anything other than defects in Company's material (products only) or workmanship.

10. **CUSTOMER'S REMEDIES. THE CUSTOMER'S EXCLUSIVE AND SOLE REMEDY ON ACCOUNT OF, OR IN RESPECT OF, THE FURNISHING OF PRODUCTS OR SERVICES THAT DO NOT CONFORM TO THIS AGREEMENT WILL BE TO (A) SECURE REPAIR OR REPLACEMENT OF THE PRODUCTS; OR (B) SECURE REPAIR OR REPERFORMANCE OF THE SERVICES OR TO OBTAIN A REFUND OF THE PRICE PAID FOR THE DEFECTIVE SERVICE, ALL AT COMPANY'S OPTION. IN NO EVENT WILL THE COMPANY'S MAXIMUM LIABILITY EXCEED THE SELLING PRICE FOR THE PRODUCTS OR ITEM OF SERVICE.**

11. **LIMITATION OF LIABILITY. IN NO EVENT WILL COMPANY BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF USE OF THE PRODUCTS, SERVICE INTERRUPTION, LOSS OF PROFITS, LOSS OF REVENUE, INTEREST, LOST GOODWILL, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, LOSS BY REASON OF SHUTDOWN OR NON-OPERATION, INCREASED EXPENSES OF OPERATION, OR CLAIMS OF CUSTOMER'S CUSTOMERS, WHETHER BASED ON CONTRACT, WARRANTY, TORT (INCLUDING, BUT NOT LIMITED TO, STRICT LIABILITY OR NEGLIGENCE), PATENT INFRINGEMENT, OR OTHERWISE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

12. **STATUTE OF LIMITATIONS. NO ACTION ARISING OUT OF ANY CLAIMED BREACH OF THIS AGREEMENT BY COMPANY MAY BE BROUGHT BY CUSTOMER MORE THAN ONE (1) YEAR AFTER THE CAUSE OF ACTION HAS ARISEN.**

13. **CONSUMER PRODUCTS.** With respect to "consumer products" as defined under the Magnuson-Moss Warranty Act ("MMWA"), the following statements are made. (a) Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. **IF ANY IMPLIED WARRANTY IS PROVIDED UNDER THE MMWA, IT IS LIMITED TO THE DURATION OF THE WARRANTY PROVIDED IN SECTION 9 ABOVE.** (b) Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. (c) This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

14. **FORCE MAJEURE.** Any delay or failure of Company to perform its obligations hereunder will be excused to the extent that it is caused by an event or occurrence beyond its control such as, by way of example and not by way of limitation, acts of God, actions by any governmental authority (whether valid or invalid), governmental laws and regulations not presently in effect, fires, floods, windstorms, explosions, riots, natural disasters, wars, sabotage, accidents, labor problems (including, but not limited to, lockouts, strikes, and slowdowns) at Company's facility, its source plant or their suppliers, inability to obtain power, material, labor equipment, or transportation, or court injunction or order. The delivery date will be extended for a time equal to that of the delay and the schedule for Company's performance will be deemed adjusted in the individual order(s) to that effect.

15. **ENTIRE AGREEMENT AND AMENDMENT.** This Agreement, together with any attachments or supplements specifically referenced in this Agreement, constitutes the entire agreement between the parties hereto and supersedes all previous communications, representations, or agreements, either oral or written, between the parties hereto with respect to the subject matter hereof. No agreement or understanding varying or expanding this Agreement will be binding upon either party hereto unless it is in writing and signed by a duly authorized representative thereof.

16. **TERMINATION.** (a) This Agreement may be terminated by either party by giving 30 days' written notice to the other party in the event of failure by such other party to fulfill any of its obligations hereunder. However, if during the period of such notice, such other party remedies such failure, this Agreement will continue with the same force and effect as if such notice had not been given. (b) This Agreement may be terminated upon the written mutual consent of the parties. (c) Either party may immediately terminate this Agreement by giving written notice to the other party in the event of the happening of any of the following or any other comparable event: (i) insolvency of the other party; (ii) filing of a petition in bankruptcy by or against the other party; (iii) appointment of a receiver or trustee for the other party; or (iv) execution of an assignment for the benefit of creditors by the other party, all of which will allow Company to demand reclamation of all affected orders. (d) Except as provided in this section 16, Customer may not terminate this Agreement, in whole or in part, unless Company's prior written consent is obtained and Customer agrees to pay all of Company's cancellation charges.

17. **GOVERNING LAW; VENUE; AND EXPENSES.** (a) This Agreement and any disputes or controversies arising hereunder will be governed by and construed according to the internal laws of the State of Indiana, United States of America, without regard to its conflict of law principles, and not including the United Nations Convention on Contracts for the International Sale of Goods. (b) Jurisdiction and venue with respect to any action, proceeding, or suit in connection with this Agreement will reside in the courts of the State of Indiana. (c) Customer agrees to pay for all expenses (including attorney's fees) incurred by Company in enforcing the obligations of Customer under this Agreement.

18. **COMPLIANCE WITH LAWS, EXPORT CONTROLS, CERTIFICATIONS, AND NUCLEAR LIABILITY.** (a) This Agreement is be subject to, and Company and Customer will comply with, all laws and export controls, regulations, rules, orders, licenses, requirements, and governmental requests now or hereafter in effect in the United States of America that pertain to the Products or the initial sale of the Products or that pertain to Services. **Provided however**, Company is not responsible for obtaining or maintaining any permits for the performance of Services or the verification or compliance with any code requirements relative to the performance of Services. To the extent any sale of Products or Services pursuant to this Agreement may require approval of the U.S. Government, Company's obligations under this Agreement are conditioned upon the grant of such approval and upon compliance by Customer with any restrictions imposed by the U.S. Government in connection with such approval. (b) Certain Products are noted by Company as tested by independent laboratories for compliance with UL and/or ANSI standards. Any and all modifications or alterations to such Products will void such certification, and Company is not liable to Customer to certify any modified or altered Product. (c) In the event the Products are to be used in a nuclear facility, the Customer shall, prior to such use, arrange for insurance or governmental indemnity protecting Company against liability. The Customer hereby releases and agrees to indemnify Company and its suppliers for any nuclear damage including, but not limited to, loss of use, in any manner arising out of the nuclear incident, whether alleged to be due, in whole or in part by Company or its suppliers.

19. **NO INDUCEMENTS.** The parties hereto represent to each other and each agrees that, neither it nor any person acting on its behalf has, in contravention of any applicable law, given or offered to give, or will give or offer to give, any sum of money or other material consideration to any person, directly or indirectly, as an inducement to obtain business hereunder or to influence the granting of licenses or other governmental permissions to enter into this Agreement or perform obligations hereunder.

20. **SEVERABILITY.** If any provision of this Agreement is held to be invalid, illegal, or unenforceable under any statute, regulation, ordinance, executive order, or other rule of law, that provision will be deemed severed to the extent necessary to comply with such statute, regulation, ordinance, order, or rule. In the event such provision is deemed severed, the parties will negotiate in good faith to arrive at an alternative arrangement approximating the original business objective of the parties. The remaining terms and conditions of this Agreement will remain in effect.

21. **NO IMPLIED WAIVER.** The failure of either party at any time to require performance by the other party of any provision of this Agreement will in no way affect the right to require such performance at any time thereafter, nor will the waiver of either party of a breach of any provision of this Agreement constitute a waiver of any succeeding breach of the same or any other provision.

22. **MISCELLANEOUS.** (a) This Agreement does not constitute either party the agent or legal representative of the other party. Neither party is authorized to create any obligation on behalf of the other party including, but not limited to, the obligation for payment of any service or warranty obligation hereunder. (b) Neither this Agreement nor any right or obligation hereunder may be transferred or assigned by either party without the prior written approval of the other party, except that Company can transfer or assign this Agreement or any right or obligation (including, but not limited to the right to receive payments for any orders) to Ingersoll-Rand Company or an Ingersoll-Rand Company entity without first obtaining Customer's consent. (c) The rights and remedies herein reserved to Company will be cumulative and additional to any other or further rights and remedies provided at law or equity. (d) Customer does not have the right to setoff or to back charge against any amounts which become payable to Company under this Agreement or otherwise. (e) The official text of this Agreement is in the English language. If this Agreement is translated into another language, the English text will govern any question with respect to interpretation. (f) The headings in this Agreement are for convenience of reference only and do not affect the meaning of this Agreement in any manner.

23. **DEFINITIONS.** (a) *"Agreement"* means Ingersoll-Rand Company, Security Technologies Sector Terms and Conditions of Sale and Service. (b) *"Company"* means Ingersoll-Rand Company, Security Technologies Sector. (c) *"Customer"* means the Buyer. (d) *"Buyer"* means the purchaser of products or Services from Company. (e) "U.S." means United States of America.

Ingersoll Rand's Security Technologies Sector is a leading global provider of products and services that make environments safe, secure and productive. The Sector's market-leading products include electronic and biometric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security, door closers and exit devices, steel doors and frames, architectural hardware and technologies and services for global security markets.

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